EFEN

IN THE LINE OF POWER



Main Catalog

Products and Systems for Smart Power Supply

Dear Partners and Friends,

Do you remember the “good old times” when power distribution and grid protection were still simple?

Nowadays, new terms like smart interfaces, macro and micro grid or prosumers determine the way we speak, think and act, both as producers and consumers.
You have clearly confirmed this trend in many conversations and in the EFEN Black Box.

Therefore, this EFEN main catalog contains many enhanced solutions and is ment to guide you into a new era. Thanks to our developments and solutions, you will be able to find answers to new challenges connected to the imminent global energy transition.
Solutions from EFEN are Smart Grid Ready and ensure a stable, safe and smart energy supply for meeting current and future requirements in an evermore complex world.

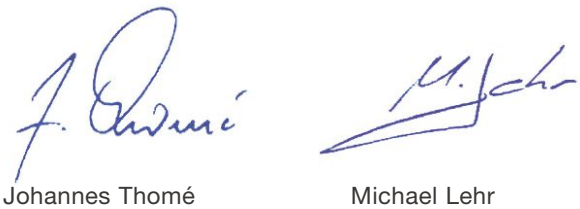
We also guarantee you:
Safe and secure power distribution systems:
That is what the EFEN brand has been standing for - for more than 90 years.

Whether you are active in the **industrial sector,** in the field of **infrastructure** or **power supply**, we provide special know-how on safety interfaces for energy distribution systems according to IEC and DIN standards.

Our solutions help **distribute** electric energy, **protect** people and investments and **ensure** intelligent grid operation; from the point of energy production all the way to the consumer.

Do you have further inquiries or suggestions?
Are you looking for a partner to develop new solutions?
Ask or challenge us. We will be happy to assist you.

Kind regards,



Johannes Thomé Michael Lehr



Systems and Solutions from a Single Source

As a specialist for safety interfaces, EFEN provides a comprehensive range of products for power distribution grids. With innovative solutions from feed interfaces and power distribution interfaces to consumer interfaces, EFEN is your one-stop shop for flexible systems designed for smart-grid operation.



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The Specialist for Safe and Smart Grid Operation

Making energy distribution systems safe: for more than 90 years, this has been our commitment. Whether you are active in the field of infrastructure or in the power supply sector, EFEN is your partner for intelligent solutions tailored to your needs. Your benefits: Optimal plant reliability and superior performance. In close cooperation with you, we develop systems that match your individual requirements and that are ready to enhance energy efficiency in smart-grid operation.



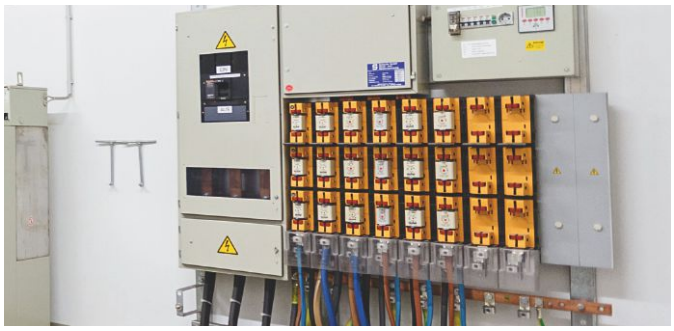
Safety Interfaces from the Specialist
EFEN offers optimized safety systems – adapted to the respective field of application. Benefits for your company: Reliable grid operation as well as safe shut-down possibilities in the event of overloads or short circuits. This protects people and investments, maximizing your plant availability.



Certified Quality
EFEN products have a proven track record of high quality: Our quality and environment management is certified in accordance with DIN ISO 9001 and DIN ISO 14001. The AEOF certificate stands for easy order processing within the EU. Furthermore, EFEN's occupational health and safety management is certified in accordance with OHSAS 18001.



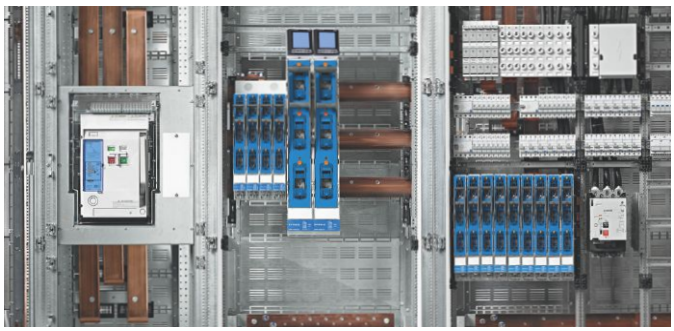




Safety Interfaces for Low and Medium Voltages
Indispensable for safe and reliable power supply: optimally coordinated systems protecting plants against overload and short-circuit. EFEN offers high-availability and low-loss solutions, from the point of generation to the end user.



Metering and Monitoring Consumption
Rising costs and a greater sensitivity for environmental issues are two aspects that turn electric energy into an ever more valuable resource. EFEN metering technology provides measured values and performance indicators that can be processed and monitored by power management systems.



Energy Efficiency Pays Off
In all industries, energy-efficient production is becoming an increasingly significant competitive factor. Devices from EFEN specifically designed for low-loss operation for protection, switching, metering and monitoring help to use electric power efficiently.



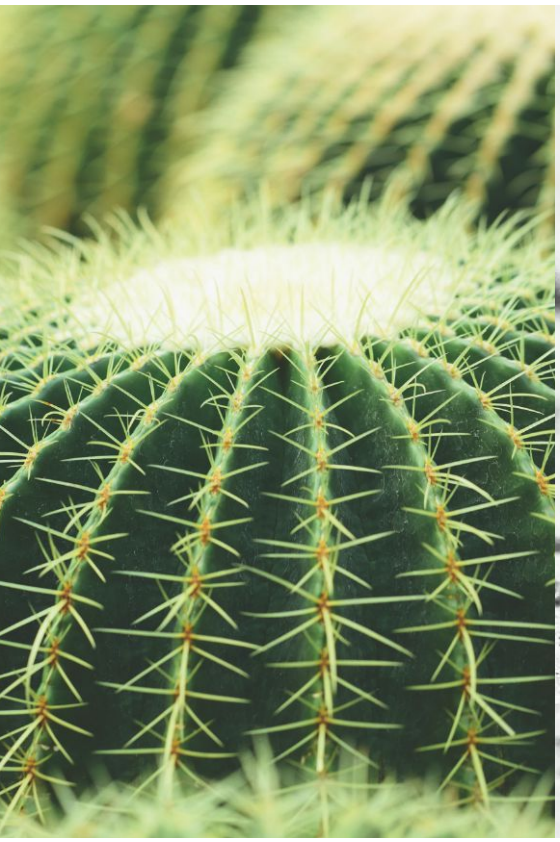


Mission and Vision

Efficient Distribution
When it comes to reliable power supply, replacing nuclear power with renewable energy is one of the greatest challenges. EFEN offers end-to-end solutions for safety interfaces – from power generation and power storage to selective consumer control.

Reliable Protection
Reliable protection for people and investments is a key requirement of every energy distribution system. Comprehensive solutions from EFEN ensure maximum safety in all areas of power supply, infrastructure and industry.

Smart Control
Higher energy efficiency reduces peak loads and lowers energy costs. Early-warning systems keep unplanned plant downtimes to a minimum. Smart solutions from EFEN ensure reliable communication and maximum availability of energy distribution systems.





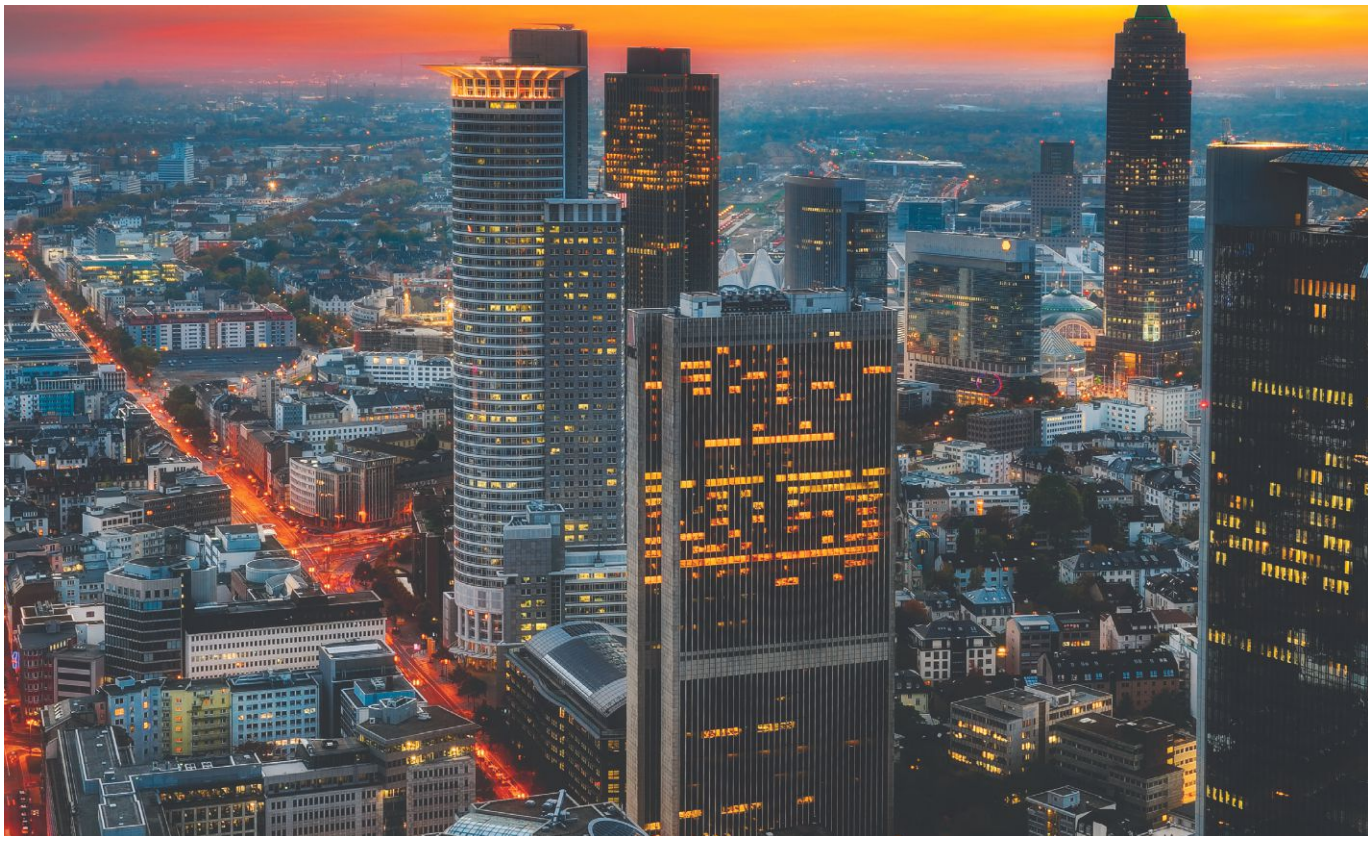
ethics
environment
energy

Our Formula for Sustainability: E3 = Ethics, Environment and Energy

Ethics
The Ethics Charta – an action framework with clear values. The successful and sustainable economic development of a company is based on the trust that its customers, suppliers and partners are willing to demonstrate to it. However, this trust must also exist between the company and its employees, and among the employees themselves.

Environment
For EFEN, the reduction of greenhouse gas emissions is a top priority. A study was therefore carried out in 2013, analyzing the three economic areas – the so-called scopes – from the extraction of raw materials right through to the delivery of the finished goods.

Energy
The current global energy demand lies well above 100,000 terawatt hours (= 100,000 billion watt hours) per year. It is anticipated to double by 2050. Around 85 percent of the world's energy demand is still covered by fossil fuels. However, oil and coal reserves are a finite resource, and like everything that is scarce, it will increase in value and price.



The Core of Safe Power Distribution

Grown from our traditional core competence, we at EFEN offer a comprehensive range of fuse-links according to IEC/DIN standards for low-voltage and medium-voltage applications. Our innovative high-tech products protect people and investments and ensure maximum availability.



NH Fuse-Links

Complete range of NH Fuse-links for cable, line, transformer and semiconductor protection. In addition to standard applications, the EFEN range includes various solutions for special applications. NH fuse-links by EFEN comply with national and international standards and regulations such as IEC 60269 and VDE 0636.

Product overview page 10



DC Fuse-Links 10 x 38

EFEN DC fuse-links 10 x 38 have been developed especially for direct-current supplies. They combine high energy density with a compact, space-saving design.

Product overview page 70



D0 Fuse-Links

The D0 fuse-links offer protection within the smallest space and, thanks to state-of-the-art distribution components, perfectly integrate into future systems.

Product overview page 60



HV Fuse-Links

EFEN's general-purpose and back-up fuse-links are a reliable safety interface for transformers, capacitors and high-voltage motors. The range comprises types for indoor, outdoor and oil-submerged applications and is nationally and internationally approved.

Product overview page 74



NH Fuse-Links

Grow from our traditional core competence, we at EFEN offer a comprehensive range of Fuse-Links according to IEC/DIN standards for low-voltage and medium-voltage applications. Innovative high-tech products protect people and investments and ensure maximum availability.

System
The wide range of state-of-the-art NH fuse-links grew from EFEN's traditional core competence, taking it to a leading position in the market, with high technical standards and ensuring a consitently high quality. The EFEN product range offers a wide variety of solutions for virtually any application.

Features
EFEN NH fuse-links comply with national and international standards and regulations such as DIN, VDE and IEC. The fuse-links are available with insulated and with uninsulated gripping lugs. A full range of accessories complements the product range.



NH Fuse-Links

NH Fuse-Links
AC 400 up to 690 V gG and gL page 14

NH Fuse-Links
AC 500 V gR page 25

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AC 400 V gTr page 28

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DC 80 V page 52

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NH Fuse-Link 400 V
with twin indicator



NH Fuse-Links
for industry-specific applications, e.g. mining



gTr Fuse-Links
for transformer protection



NH Fuse-Links
up to 1500 V AC



gR NH Fuse-Links
for semiconductor protection



Special Fuse-Links
for DC applications



NH Fuse-Links 400 V gG

- Rated voltage: AC 400 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2 and IEC 60269-1
- Breaking capacity: 100 kA

▶ Technical data, page 32



35404-1600

NH Fuse-Links for cable and line protection, 400 V AC gG

Features:
- Twin indicator (size 3, 500 A and 630 A with center indicator)
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 000 2A GG AC400V AK	000	2	3	NH-SI 000 2A GG AC400V AK	**35401-0020**
NH-SI 000 4A GG AC400V AK	000	4	3	NH-SI 000 4A GG AC400V AK	**35401-0040**
NH-SI 000 6A GG AC400V AK	000	6	3	NH-SI 000 6A GG AC400V AK	**35401-0060**
NH-SI 000 10A GG AC400V AK	000	10	3	NH-SI 000 10A GG AC400V AK	**35401-0100**
NH-SI 000 16A GG AC400V AK	000	16	3	NH-SI 000 16A GG AC400V AK	**35401-0160**
NH-SI 000 20A GG AC400V AK	000	20	3	NH-SI 000 20A GG AC400V AK	**35401-0200**
NH-SI 000 25A GG AC400V AK	000	25	3	NH-SI 000 25A GG AC400V AK	**35401-0250**
NH-SI 000 32A GG AC400V AK	000	32	3	NH-SI 000 32A GG AC400V AK	**35401-0320**
NH-SI 000 35A GG AC400V AK	000	35	3	NH-SI 000 35A GG AC400V AK	**35401-0350**
NH-SI 000 50A GG AC400V AK	000	50	3	NH-SI 000 50A GG AC400V AK	**35401-0500**
NH-SI 000 63A GG AC400V AK	000	63	3	NH-SI 000 63A GG AC400V AK	**35401-0630**
NH-SI 000 80A GG AC400V AK	000	80	3	NH-SI 000 80A GG AC400V AK	**35401-0800**
NH-SI 000 100A GG AC400V AK	000	100	3	NH-SI 000 100A GG AC400V AK	**35401-1000**
NH-SI 00 63A GG AC400V AK	00	63	3	NH-SI 00 63A GG AC400V AK	**35402-0630**
NH-SI 00 80A GG AC400V AK	00	80	3	NH-SI 00 80A GG AC400V AK	**35402-0800**
NH-SI 00 100A GG AC400V AK	00	100	3	NH-SI 00 100A GG AC400V AK	**35402-1000**
NH-SI 00 125A GG AC400V AK	00	125	3	NH-SI 00 125A GG AC400V AK	**35402-1250**
NH-SI 00 160A GG AC400V AK	00	160	3	NH-SI 00 160A GG AC400V AK	**35402-1600**
NH-SI 1/16A GG AC400V AK	1	16	3	NH-SI 1/ 16A GG AC400V AK	**35403-0160**
NH-SI 1/20A GG AC400V AK	1	20	3	NH-SI 1/ 20A GG AC400V AK	**35403-0200**
NH-SI 1/25A GG AC400V AK	1	25	3	NH-SI 1/ 25A GG AC400V AK	**35403-0250**
NH-SI 1/32A GG AC400V AK	1	32	3	NH-SI 1/ 32A GG AC400V AK	**35403-0320**
NH-SI 1/35A GG AC400V AK	1	35	3	NH-SI 1/ 35A GG AC400V AK	**35403-0350**
NH-SI 1/40A GG AC400V AK	1	40	3	NH-SI 1/ 40A GG AC400V AK	**35403-0400**
NH-SI 1/50A GG AC400V AK	1	50	3	NH-SI 1/ 50A GG AC400V AK	**35403-0500**
NH-SI 1/63A GG AC400V AK	1	63	3	NH-SI 1/ 63A GG AC400V AK	**35403-0630**
NH-SI 1/80A GG AC400V AK	1	80	3	NH-SI 1/ 80A GG AC400V AK	**35403-0800**
NH-SI 1/100A GG AC400V AK	1	100	3	NH-SI 1/ 100A GG AC400V AK	**35403-1000**
NH-SI 1 125A GG AC400V AK	1	125	3	NH-SI 1 125A GG AC400V AK	**35403-1250**
NH-SI 1 160A GG AC400V AK	1	160	3	NH-SI 1 160A GG AC400V AK	**35403-1600**
NH-SI 1 200A GG AC400V AK	1	200	3	NH-SI 1 200A GG AC400V AK	**35403-2000**
NH-SI 1 224A GG AC400V AK	1	224	3	NH-SI 1 224A GG AC400V AK	**35403-2240**
NH-SI 1 250A GG AC400V AK	1	250	3	NH-SI 1 250A GG AC400V AK	**35403-2500**
NH-SI 2/35A GG AC400V AK	2	35	3	NH-SI 2/ 35A GG AC400V AK	**35404-0350**
NH-SI 2/50A GG AC400V AK	2	50	3	NH-SI 2/ 50A GG AC400V AK	**35404-0500**
NH-SI 2/63A GG AC400V AK	2	63	3	NH-SI 2/ 63A GG AC400V AK	**35404-0630**
NH-SI 2/80A GG AC400V AK	2	80	3	NH-SI 2/ 80A GG AC400V AK	**35404-0800**
NH-SI 2/100A GG AC400V AK	2	100	3	NH-SI 2/ 100A GG AC400V AK	**35404-1000**
NH-SI 2/125A GG AC400V AK	2	125	3	NH-SI 2/ 125A GG AC400V AK	**35404-1250**
NH-SI 2/160A GG AC400V AK	2	160	3	NH-SI 2/ 160A GG AC400V AK	**35404-1600**
NH-SI 2/200A GG AC400V AK	2	200	3	NH-SI 2/ 200A GG AC400V AK	**35404-2000**
NH-SI 2/224A GG AC400V AK	2	224	3	NH-SI 2/ 224A GG AC400V AK	**35404-2240**
NH-SI 2/250A GG AC400V AK	2	250	3	NH-SI 2/ 250A GG AC400V AK	**35404-2500**
NH-SI 2 315A GG AC400V AK	2	315	3	NH-SI 2 315A GG AC400V AK	**35404-3150**
NH-SI 2 355A GG AC400V AK	2	355	3	NH-SI 2 355A GG AC400V AK	**35404-3550**
NH-SI 2 400A GG AC400V AK	2	400	3	NH-SI 2 400A GG AC400V AK	**35404-4000**
NH-SI 3/250A GG AC400V AK	3	250	1	NH-SI 3/ 250A GG AC400V AK	**35405-2500**
NH-SI 3/300A GG AC400V AK	3	300	1	NH-SI 3/ 300A GG AC400V AK	**35405-3000**
NH-SI 3/315A GG AC400V AK	3	315	1	NH-SI 3/ 315A GG AC400V AK	**35405-3150**
NH-SI 3/400A GG AC400V AK	3	400	1	NH-SI 3/ 400A GG AC400V AK	**35405-4000**
NH-SI 3 500A GG AC400V MA	3	500	1	NH-SI 3 500A GG AC400V Ma	**35405-5000**
NH-SI 3 630A GG AC400V MA	3	630	1	NH-SI 3 630A GG AC400V Ma	**35405-6300**

NH Fuse-Links 400V gG

- Rated voltage: AC 400 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2 and IEC 60269-1
- Breaking capacity: 100kA

▶ Technical data, page 32



35407-1600

NH Fuse-Links for cable and line protection, 400 V AC gG

Features:
- Twin indicator
- Insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 000 2A GG AC400V LI AK	000	2	3	NH-SI 000 2A GG AC400V LI AK	**35406-0020**
NH-SI 000 4A GG AC400V LI AK	000	4	3	NH-SI 000 4A GG AC400V LI AK	**35406-0040**
NH-SI 000 6A GG AC400V LI AK	000	6	3	NH-SI 000 6A GG AC400V LI AK	**35406-0060**
NH-SI 000 10A GG AC400V LI AK	000	10	3	NH-SI 000 10A GG AC400V LI AK	**35406-0100**
NH-SI 000 16A GG AC400V LI AK	000	16	3	NH-SI 000 16A GG AC400V LI AK	**35406-0160**
NH-SI 000 20A GG AC400V LI AK	000	20	3	NH-SI 000 20A GG AC400V LI AK	**35406-0200**
NH-SI 000 25A GG AC400V LI AK	000	25	3	NH-SI 000 25A GG AC400V LI AK	**35406-0250**
NH-SI 000 32A GG AC400V LI AK	000	32	3	NH-SI 000 32A GG AC400V LI AK	**35406-0320**
NH-SI 000 35A GG AC400V LI AK	000	35	3	NH-SI 000 35A GG AC400V LI AK	**35406-0350**
NH-SI 000 40A GG AC400V LI AK	000	40	3	NH-SI 000 40A GG AC400V LI AK	**35406-0400**
NH-SI 000 50A GG AC400V LI AK	000	50	3	NH-SI 000 50A GG AC400V LI AK	**35406-0500**
NH-SI 000 63A GG AC400V LI AK	000	63	3	NH-SI 000 63A GG AC400V LI AK	**35406-0630**
NH-SI 000 80A GG AC400V LI AK	000	80	3	NH-SI 000 80A GG AC400V LI AK	**35406-0800**
NH-SI 000 100A GG AC400V LI AK	000	100	3	NH-SI 000 100A GG AC400V LI AK	**35406-1000**
NH-SI 00 63A GG AC400V LI AK	00	63	3	NH-SI 00 63A GG AC400V LI AK	**35407-0630**
NH-SI 00 80A GG AC400V LI AK	00	80	3	NH-SI 00 80A GG AC400V LI AK	**35407-0800**
NH-SI 00 100A GG AC400V LI AK	00	100	3	NH-SI 00 100A GG AC400V LI AK	**35407-1000**
NH-SI 00 125A GG AC400V LI AK	00	125	3	NH-SI 00 125A GG AC400V LI AK	**35407-1250**
NH-SI 00 160A GG AC400V LI AK	00	160	3	NH-SI 00 160A GG AC400V LI AK	**35407-1600**
NH-SI 1/ 16A GG AC400V LI AK	1	16	3	NH-SI 1/ 16A GG AC400V LI AK	**35408-0160**
NH-SI 1/ 20A GG AC400V LI AK	1	20	3	NH-SI 1/ 20A GG AC400V LI AK	**35408-0200**
NH-SI 1/ 25A GG AC400V LI AK	1	25	3	NH-SI 1/ 25A GG AC400V LI AK	**35408-0250**
NH-SI 1/ 32A GG AC400V LI AK	1	32	3	NH-SI 1/ 32A GG AC400V LI AK	**35408-0320**
NH-SI 1/ 35A GG AC400V LI AK	1	35	3	NH-SI 1/ 35A GG AC400V LI AK	**35408-0350**
NH-SI 1/ 40A GG AC400V LI AK	1	40	3	NH-SI 1/ 40A GG AC400V LI AK	**35408-0400**
NH-SI 1/ 50A GG AC400V LI AK	1	50	3	NH-SI 1/ 50A GG AC400V LI AK	**35408-0500**
NH-SI 1/ 63A GG AC400V LI AK	1	63	3	NH-SI 1/ 63A GG AC400V LI AK	**35408-0630**
NH-SI 1/ 80A GG AC400V LI AK	1	80	3	NH-SI 1/ 80A GG AC400V LI AK	**35408-0800**
NH-SI 1/ 100A GG AC400V LI AK	1	100	3	NH-SI 1/ 100A GG AC400V LI AK	**35408-1000**
NH-SI 1 125A GG AC400V LI AK	1	125	3	NH-SI 1 125A GG AC400V LI AK	**35408-1250**
NH-SI 1 160A GG AC400V LI AK	1	160	3	NH-SI 1 160A GG AC400V LI AK	**35408-1600**
NH-SI 1 200A GG AC400V LI AK	1	200	3	NH-SI 1 200A GG AC400V LI AK	**35408-2000**
NH-SI 1 224A GG AC400V LI AK	1	224	3	NH-SI 1 224A GG AC400V LI AK	**35408-2240**
NH-SI 1 250A GG AC400V LI AK	1	250	3	NH-SI 1 250A GG AC400V LI AK	**35408-2500**

NH Fuse-Links 400V gG

- Rated voltage: AC 400V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2 and IEC 60269-1
- Breaking capacity: 100kA

▶ Technical data, page 32



35407-1600

NH Fuse-Links for cable and line protection, 400V AC gG

Features:
- Twin indicator (size 3, 500 A and 630 A with center indicator)
- Insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 2/ 35A GG AC400V LI AK	2	35	3	NH-SI 2/ 35A GG AC400V LI AK	**35409-0350**
NH-SI 2/ 50A GG AC400V LI AK	2	50	3	NH-SI 2/ 50A GG AC400V LI AK	**35409-0500**
NH-SI 2/ 63A GG AC400V LI AK	2	63	3	NH-SI 2/ 63A GG AC400V LI AK	**35409-0630**
NH-SI 2/ 80A GG AC400V LI AK	2	80	3	NH-SI 2/ 80A GG AC400V LI AK	**35409-0800**
NH-SI 2/ 100A GG AC400V LI AK	2	100	3	NH-SI 2/ 100A GG AC400V LI AK	**35409-1000**
NH-SI 2/ 125A GG AC400V LI AK	2	125	3	NH-SI 2/ 125A GG AC400V LI AK	**35409-1250**
NH-SI 2/ 160A GG AC400V LI AK	2	160	3	NH-SI 2/ 160A GG AC400V LI AK	**35409-1600**
NH-SI 2/ 200A GG AC400V LI AK	2	200	3	NH-SI 2/ 200A GG AC400V LI AK	**35409-2000**
NH-SI 2/ 224A GG AC400V LI AK	2	224	3	NH-SI 2/ 224A GG AC400V LI AK	**35409-2240**
NH-SI 2/ 250A GG AC400V LI AK	2	250	3	NH-SI 2/ 250A GG AC400V LI AK	**35409-2500**
NH-SI 2 315A GG AC400V LI AK	2	315	3	NH-SI 2 315A GG AC400V LI AK	**35409-3150**
NH-SI 2 355A GG AC400V LI AK	2	355	3	NH-SI 2 355A GG AC400V LI AK	**35409-3550**
NH-SI 2 400A GG AC400V LI AK	2	400	3	NH-SI 2 400A GG AC400V LI AK	**35409-4000**
NH-SI 3/ 250A GG AC400V LI AK	3	250	1	NH-SI 3/ 250A GG AC400V LI AK	**35410-2500**
NH-SI 3/ 300A GG AC400V LI AK	3	300	1	NH-SI 3/ 300A GG AC400V LI AK	**35410-3000**
NH-SI 3/ 315A GG AC400V LI AK	3	315	1	NH-SI 3/ 315A GG AC400V LI AK	**35410-3150**
NH-SI 3/ 400A GG AC400V LI AK	3	400	1	NH-SI 3/ 400A GG AC400V LI AK	**35410-4000**
NH-SI 3 500A GG AC400V LI MA	3	500	1	NH-SI 3 500A GG AC400V LI Ma	**35410-5000**
NH-SI 3 630A GG AC400V LI MA	3	630	1	NH-SI 3 630A GG AC400V LI Ma	**35410-6300**

NH Fuse-Links 500 V gG

- Rated voltage: AC 500 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

▶ Technical data, page 36



35000-0800

NH Fuse-Links for cable and line protection, 500 V AC gG

Features:
- Twin indicator
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 000 2A GG AC500V AK	000	2	3	NH-SI 000 2A GG AC500V AK	**35000-0020**
NH-SI 000 4,0A GG AC500V AK	000	4	3	NH-SI 000 4,0A GG AC500V AK	**35000-0040**
NH-SI 000 6A GG AC500V AK	000	6	3	NH-SI 000 6A GG AC500V AK	**35000-0060**
NH-SI 000 10A GG AC500V AK	000	10	3	NH-SI 000 10A GG AC500V AK	**35000-0100**
NH-SI 000 16A GG AC500V AK	000	16	3	NH-SI 000 16A GG AC500V AK	**35000-0160**
NH-SI 000 20A GG AC500V AK	000	20	3	NH-SI 000 20A GG AC500V AK	**35000-0200**
NH-SI 000 25A GG AC500V AK	000	25	3	NH-SI 000 25A GG AC500V AK	**35000-0250**
NH-SI 000 32A GG AC500V AK	000	32	3	NH-SI 000 32A GG AC500V AK	**35000-0320**
NH-SI 000 35A GG AC500V AK	000	35	3	NH-SI 000 35A GG AC500V AK	**35000-0350**
NH-SI 000 40A GG AC500V AK	000	40	3	NH-SI 000 40A GG AC500V AK	**35000-0400**
NH-SI 000 50A GG AC500V AK	000	50	3	NH-SI 000 50A GG AC500V AK	**35000-0500**
NH-SI 000 63A GG AC500V AK	000	63	3	NH-SI 000 63A GG AC500V AK	**35000-0630**
NH-SI 000 80A GG AC500V AK	000	80	3	NH-SI 000 80A GG AC500V AK	**35000-0800**
NH-SI 000 100A GG AC500V AK	000	100	3	NH-SI 000 100A GG AC500V AK	**35000-1000**
NH-SI 00 25A GG AC500V AK	00	16	3	NH-SI 00 16A GG AC500V AK	**35011-0050**
NH-SI 00 25A GG AC500V AK	00	20	3	NH-SI 00 20A GG AC500V AK	**35011-0060**
NH-SI 00 25A GG AC500V AK	00	25	3	NH-SI 00 25A GG AC500V AK	**35011-0070**
NH-SI 00 32A GG AC500V AK	00	32	3	NH-SI 00 32A GG AC500V AK	**35011-0080**
NH-SI 00 35A GG AC500V AK	00	35	3	NH-SI 00 35A GG AC500V AK	**35011-0090**
NH-SI 00 40A GG AC500V AK	00	40	3	NH-SI 00 40A GG AC500V AK	**35011-0100**
NH-SI 00 50A GG AC500V AK	00	50	3	NH-SI 00 50A GG AC500V AK	**35011-0110**
NH-SI 00 63A GG AC500V AK	00	63	3	NH-SI 00 63A GG AC500V AK	**35011-0120**
NH-SI 00 80A GG AC500V AK	00	80	3	NH-SI 00 80A GG AC500V AK	**35011-0130**
NH-SI 00 100A GG AC500V AK	00	100	3	NH-SI 00 100A GG AC500V AK	**35011-0140**
NH-SI 00 125A GG AC500V AK	00	125	3	NH-SI 00 125A GG AC500V AK	**35011-0150**
NH-SI 00 160A GG AC500V AK	00	160	3	NH-SI 00 160A GG AC500V AK	**35011-1090**
NH-SI 1/25A GG AC500V AK	1	25	3	NH-SI 1/ 25A GG AC500V AK	**35035-0050**
NH-SI 1/32A GG AC500V AK	1	32	3	NH-SI 1/ 32A GG AC500V AK	**35035-1220**
NH-SI 1/35A GG AC500V AK	1	35	3	NH-SI 1/ 35A GG AC500V AK	**35035-0060**
NH-SI 1/40A GG AC500V AK	1	40	3	NH-SI 1/ 40A GG AC500V AK	**35035-1230**
NH-SI 1/50A GG AC500V AK	1	50	3	NH-SI 1/ 50A GG AC500V AK	**35035-0070**
NH-SI 1/63A GG AC500V AK	1	63	3	NH-SI 1/ 63A GG AC500V AK	**35035-0080**
NH-SI 1/80A GG AC500V AK	1	80	3	NH-SI 1/ 80A GG AC500V AK	**35035-0090**
NH-SI 1/100A GG AC500V AK	1	100	3	NH-SI 1/ 100A GG AC500V AK	**35035-0100**
NH-SI 1/125A GG AC500V AK	1	125	3	NH-SI 1 125A GG AC500V AK	**35035-0110**
NH-SI 1/160A GG AC500V AK	1	160	3	NH-SI 1 160A GG AC500V AK	**35035-0120**
NH-SI 1 200A GG AC500V AK	1	200	3	NH-SI 1 200A GG AC500V AK	**35035-0130**
NH-SI 1 224A GG AC500V AK	1	224	3	NH-SI 1 224A GG AC500V AK	**35035-0140**
NH-SI 1 250A GG AC500V AK	1	250	3	NH-SI 1 250A GG AC500V AK	**35035-0150**

NH Fuse-Links 500 V gG

- Rated voltage: AC 500 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269 -2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35054-0150

NH Fuse-Links for cable and line protection, 500 V AC gG

Features:
- Twin indicator (size 4a with center indicator)
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 2/25A GG AC500V AK	2	25	3	NH-SI 2/ 25A GG AC500V AK	**35054-0010**
NH-SI 2/35A GG AC500V AK	2	35	3	NH-SI 2/ 35A GG AC500V AK	**35054-0020**
NH-SI 2/50A GG AC500V AK	2	50	3	NH-SI 2/ 50A GG AC500V AK	**35054-0030**
NH-SI 2/63A GG AC500V AK	2	63	3	NH-SI 2/ 63A GG AC500V AK	**35054-0040**
NH-SI 2/80A GG AC500V AK	2	80	3	NH-SI 2/ 80A GG AC500V AK	**35054-0050**
NH-SI 2/100A GG AC500V AK	2	100	3	NH-SI 2/ 100A GG AC500V AK	**35054-0060**
NH-SI 2/125A GG AC500V AK	2	125	3	NH-SI 2/ 125A GG AC500V AK	**35054-0070**
NH-SI 2/160A GG AC500V AK	2	160	3	NH-SI 2/ 160A GG AC500V AK	**35054-0080**
NH-SI 2/200A GG AC500V AK	2	200	3	NH-SI 2/ 200A GG AC500V AK	**35054-0090**
NH-SI 2/224A GG AC500V AK	2	224	3	NH-SI 2/ 224A GG AC500V AK	**35054-0100**
NH-SI 2/250A GG AC500V AK	2	250	3	NH-SI 2/ 250A GG AC500V AK	**35054-0110**
NH-SI 2 300A GG AC500V AK	2	300	3	NH-SI 2 300A GG AC500V AK	**35054-0120**
NH-SI 2 315A GG AC500V AK	2	315	3	NH-SI 2 315A GG AC500V AK	**35054-0130**
NH-SI 2 355A GG AC500V AK	2	355	3	NH-SI 2 355A GG AC500V AK	**35054-0140**
NH-SI 2 400A GG AC500V AK	2	400	3	NH-SI 2 400A GG AC500V AK	**35054-0150**
NH-SI 3/63A GG AC500V AK	3	63	3	NH-SI 3/ 63A GG AC500V AK	**35078-0340**
NH-SI 3/80A GG AC500V AK	3	80	3	NH-SI 3/ 80A GG AC500V AK	**35078-0350**
NH-SI 3/100A GG AC500V AK	3	100	3	NH-SI 3/ 100A GG AC500V AK	**35078-0360**
NH-SI 3/125A GG AC500V AK	3	125	3	NH-SI 3/ 125A GG AC500V AK	**35078-0370**
NH-SI 3/160A GG AC500V AK	3	160	3	NH-SI 3/ 160A GG AC500V AK	**35078-0380**
NH-SI 3/200A GG AC500V AK	3	200	3	NH-SI 3/ 200A GG AC500V AK	**35078-0390**
NH-SI 3/224A GG AC500V AK	3	224	3	NH-SI 3/ 224A GG AC500V AK	**35078-0400**
NH-SI 3/250A GG AC500V AK	3	250	3	NH-SI 3/ 250A GG AC500V AK	**35078-0410**
NH-SI 3/300A GG AC500V AK	3	300	3	NH-SI 3/ 300A GG AC500V AK	**35078-0190**
NH-SI 3/315A GG AC500V AK	3	315	3	NH-SI 3/ 315A GG AC500V AK	**35078-0010**
NH-SI 3/355A GG AC500V AK	3	355	3	NH-SI 3/ 355A GG AC500V AK	**35078-0020**
NH-SI 3/400A GG AC500V AK	3	400	3	NH-SI 3/ 400A GG AC500V AK	**35078-0030**
NH-SI 3 500A GG AC500V AK	3	500	3	NH-SI 3 500A GG AC500V AK	**35078-0050**
NH-SI 3 630A GG AC500V AK	3	630	3	NH-SI 3 630A GG AC500V AK	**35078-0060**
NH-SI 4A 400A GG AC500V	4a	400	3	NH-SI 4A 400A GG AC500V	**35097-0120**
NH-SI 4A 500A GG AC500V	4a	500	3	NH-SI 4A 500A GG AC500V	**35097-0010**
NH-SI 4A 630A GG AC500V	4a	630	3	NH-SI 4A 630A GG AC500V	**35097-0020**
NH-SI 4A 800A GG AC500V	4a	800	1	NH-SI 4A 800A GG AC500V	**35097-0030**
NH-SI 4A 1000A GG AC500V	4a	1000	1	NH-SI 4A 1000A GG AC500V	**35097-0040**
NH-SI 4A 1250A GG AC500V	4a	1250	1	NH-SI 4A 1250A GG AC500V	**35097-0050**
NH-SI 4A 1600A GG AC500V	4a	1600	1	NH-SI 4A 1600A GG AC500V	**35097-0110**

NH Fuse-Links 500 V gG

- Rated voltage: AC 500 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269 -2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35001-1000

NH Fuse-Links for cable and line protection, 500 V AC gG

Features:
- Twin indicator
- Insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 000 2A GG AC500V LI AK	000	2	10	NH-SI 000 2A GG AC500V LI AK	**35001-0020**
NH-SI 000 4,0A GG AC500V LI AK	000	4	10	NH-SI 000 4,0A GG AC500V LI AK	**35001-0040**
NH-SI 000 6A GG AC500V LI AK	000	6	10	NH-SI 000 6A GG AC500V LI AK	**35001-0060**
NH-SI 000 10A GG AC500V LI AK	000	10	10	NH-SI 000 10A GG AC500V LI AK	**35001-0100**
NH-SI 000 16A GG AC500V LI AK	000	16	10	NH-SI 000 16A GG AC500V LI AK	**35001-0160**
NH-SI 000 20A GG AC500V LI AK	000	20	10	NH-SI 000 20A GG AC500V LI AK	**35001-0200**
NH-SI 000 25A GG AC500V LI AK	000	25	10	NH-SI 000 25A GG AC500V LI AK	**35001-0250**
NH-SI 000 32A GG AC500V LI AK	000	32	10	NH-SI 000 32A GG AC500V LI AK	**35001-0320**
NH-SI 000 35A GG AC500V LI AK	000	35	10	NH-SI 000 35A GG AC500V LI AK	**35001-0350**
NH-SI 000 40A GG AC500V LI AK	000	40	10	NH-SI 000 40A GG AC500V LI AK	**35001-0400**
NH-SI 000 50A GG AC500V LI AK	000	50	10	NH-SI 000 50A GG AC500V LI AK	**35001-0500**
NH-SI 000 63A GG AC500V LI AK	000	63	10	NH-SI 000 63A GG AC500V LI AK	**35001-0630**
NH-SI 000 80A GG AC500V LI AK	000	80	10	NH-SI 000 80A GG AC500V LI AK	**35001-0800**
NH-SI 000 100A GG AC500V LI AK	000	100	10	NH-SI 000 100A GG AC500V LI AK	**35001-1000**
NH-SI 00 25A GG AC500V LI AK	00	25	3	NH-SI 00 25A GG AC500V LI AK	**35165-0070**
NH-SI 00 32A GG AC500V LI AK	00	32	3	NH-SI 00 32A GG AC500V LI AK	**35165-0080**
NH-SI 00 35A GG AC500V LI AK	00	35	3	NH-SI 00 35A GG AC500V LI AK	**35165-0090**
NH-SI 00 40A GG AC500V LI AK	00	40	3	NH-SI 00 40A GG AC500V LI AK	**35165-0100**
NH-SI 00 50A GG AC500V LI AK	00	50	3	NH-SI 00 50A GG AC500V LI AK	**35165-0110**
NH-SI 00 63A GG AC500V LI AK	00	63	3	NH-SI 00 63A GG AC500V LI AK	**35165-0120**
NH-SI 00 80A GG AC500V LI AK	00	80	3	NH-SI 00 80A GG AC500V LI AK	**35165-0130**
NH-SI 00 100A GG AC500V LI AK	00	100	3	NH-SI 00 100A GG AC500V LI AK	**35165-0140**
NH-SI 00 125A GG AC500V LI AK	00	125	3	NH-SI 00 125A GG AC500V LI AK	**35165-0150**
NH-SI 00 160A GG AC500V LI AK	00	160	3	NH-SI 00 160A GG AC500V LI AK	**35165-0160**
NH-SI 1/ 25A GG AC500V LI AK	1	25	3	NH-SI 1/ 25A GG AC500V LI AK	**35204-0050**
NH-SI 1/ 32A GG AC500V LI AK	1	32	3	NH-SI 1/ 32A GG AC500V LI AK	**35204-0160**
NH-SI 1/ 35A GG AC500V LI AK	1	35	3	NH-SI 1/ 35A GG AC500V LI AK	**35204-0060**
NH-SI 1/ 40A GG AC500V LI AK	1	40	3	NH-SI 1/ 40A GG AC500V LI AK	**35204-0170**
NH-SI 1/ 50A GG AC500V LI AK	1	50	3	NH-SI 1/ 50A GG AC500V LI AK	**35204-0070**
NH-SI 1/ 63A GG AC500V LI AK	1	63	3	NH-SI 1/ 63A GG AC500V LI AK	**35204-0080**
NH-SI 1/ 80A GG AC500V LI AK	1	80	3	NH-SI 1/ 80A GG AC500V LI AK	**35204-0090**
NH-SI 1/ 100A GG AC500V LI AK	1	100	3	NH-SI 1/ 100A GG AC500V LI AK	**35204-0100**
NH-SI 1 125A GG AC500V LI AK	1	125	3	NH-SI 1 125A GG AC500V LI AK	**35204-0110**
NH-SI 1 160A GG AC500V LI AK	1	160	3	NH-SI 1 160A GG AC500V LI AK	**35204-0120**
NH-SI 1 200A GG AC500V LI AK	1	200	3	NH-SI 1 200A GG AC500V LI AK	**35204-0130**
NH-SI 1 224A GG AC500V LI AK	1	224	3	NH-SI 1 224A GG AC500V LI AK	**35204-0140**
NH-SI 1 250A GG AC500V LI AK	1	250	3	NH-SI 1 250A GG AC500V LI AK	**35204-0150**
NH-SI 2/ 63A GG AC500V LI AK	2	63	3	NH-SI 2/ 63A GG AC500V LI AK	**35116-0040**
NH-SI 2/ 80A GG AC500V LI AK	2	80	3	NH-SI 2/ 80A GG AC500V LI AK	**35116-0050**
NH-SI 2/ 100A GG AC500V LI AK	2	100	3	NH-SI 2/ 100A GG AC500V LI AK	**35116-0060**
NH-SI 2/ 125A GG AC500V LI AK	2	125	3	NH-SI 2/ 125A GG AC500V LI AK	**35116-0070**
NH-SI 2/ 160A GG AC500V LI AK	2	160	3	NH-SI 2/ 160A GG AC500V LI AK	**35116-0080**
NH-SI 2/ 200A GG AC500V LI AK	2	200	3	NH-SI 2/ 200A GG AC500V LI AK	**35116-0090**
NH-SI 2/ 224A GG AC500V LI AK	2	224	3	NH-SI 2/ 224A GG AC500V LI AK	**35116-0100**
NH-SI 2/ 250A GG AC500V LI AK	2	250	3	NH-SI 2/ 250A GG AC500V LI AK	**35116-0110**
NH-SI 2 300A GG AC500V LI AK	2	300	3	NH-SI 2 300A GG AC500V LI AK	**35116-0120**
NH-SI 2 315A GG AC500V LI AK	2	315	3	NH-SI 2 315A GG AC500V LI AK	**35116-0130**
NH-SI 2 355A GG AC500V LI AK	2	355	3	NH-SI 2 355A GG AC500V LI AK	**35116-0140**
NH-SI 2 400A GG AC500V LI AK	2	400	3	NH-SI 2 400A GG AC500V LI AK	**35116-0150**

NH Fuse-Links 500 V gG

- Rated voltage: AC 500 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35001-1000

NH Fuse-Links for cable and line protection, 500 V AC gG

Features:
- Twin indicator
- Insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3/ 100A gG AC500V LI AK	3	100	3	NH-SI 3/ 100A gG AC500V LI AK	**35420-1000**
NH-SI 3/ 125A gG AC500V LI AK	3	125	3	NH-SI 3/ 125A gG AC500V LI AK	**35420-1250**
NH-SI 3/ 160A gG AC500V LI AK	3	160	3	NH-SI 3/ 160A gG AC500V LI AK	**35420-1600**
NH-SI 3/ 200A gG AC500V LI AK	3	200	3	NH-SI 3/ 200A gG AC500V LI AK	**35420-2000**
NH-SI 3/ 224A gG AC500V LI AK	3	224	3	NH-SI 3/ 224A gG AC500V LI AK	**35420-2240**
NH-SI 3/ 250A gG AC500V LI AK	3	250	3	NH-SI 3/ 250A gG AC500V LI AK	**35420-2500**
NH-SI 3/ 300A gG AC500V LI AK	3	300	3	NH-SI 3/ 300A gG AC500V LI AK	**35420-3000**
NH-SI 3/ 315A GG AC500V LI AK	3	315	3	NH-SI 3/ 315A GG AC500V LI AK	**35420-3150**
NH-SI 3/ 355A GG AC500V LI AK	3	355	3	NH-SI 3/ 355A GG AC500V LI AK	**35420-3550**
NH-SI 3/ 400A GG AC500V LI AK	3	400	3	NH-SI 3/ 400A GG AC500V LI AK	**35420-4000**
NH-SI 3 425A GG AC500V LI AK	3	425	3	NH-SI 3 425A GG AC500V LI AK	**35420-4250**
NH-SI 3 425A GG AC500V LI AK	3	425	3	NH-SI 3 425A GG AC500V LI AK	**35420-5000**
NH-SI 3 630A GG AC500V LI AK	3	630	3	NH-SI 3 630A GG AC500V LI AK	**35420-6300**

NH Fuse-Links 500 V gL

- Rated voltage: AC 500 V / DC 440 V*
- Utilization category: gL acc. to VDE 0636-21 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35207-0130

NH Fuse-Links for cable and line protection, AC 500 V gL

Features:
- Striker pin for fuse monitoring
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-Si 00 6A gL SM	00	6	10	NH-SI 00 6A GL AC500V SM	**35207-0010**
NH-Si 00 10A gL SM	00	10	10	NH-SI 00 10A GL AC500V SM	**35207-0020**
NH-Si 00 16A gL SM	00	16	10	NH-SI 00 16A GL AC500V SM	**35207-0030**
NH-Si 00 20A gL SM	00	20	10	NH-SI 00 20A GL AC500V SM	**35207-0040**
NH-Si 00 25A gL SM	00	25	10	NH-SI 00 25A GL AC500V SM	**35207-0050**
NH-Si 00 32A gL SM	00	32	10	NH-SI 00 32A GL AC500V SM	**35207-0060**
NH-Si 00 35A gL SM	00	35	10	NH-SI 00 35A GL AC500V SM	**35207-0070**
NH-Si 00 40A gL SM	00	40	10	NH-SI 00 40A GL AC500V SM	**35207-0080**
NH-Si 00 50A gL SM	00	50	10	NH-SI 00 50A GL AC500V SM	**35207-0090**
NH-Si 00 63A gL SM	00	63	10	NH-SI 00 63A GL AC500V SM	**35207-0100**
NH-Si 00 80A gL SM	00	80	10	NH-SI 00 80A GL AC500V SM	**35207-0110**
NH-Si 00 100A gL SM	00	100	10	NH-SI 00 100A GL AC500V SM	**35207-0120**
NH-Si 00 125A gL SM	00	125	10	NH-SI 00 125A GL AC500V SM	**35207-0130**

NH Fuse-Links 500 V gL

- Rated voltage: AC 500 V / DC 440 V*
- Utilization category: gL acc. to VDE 0636-21 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35010-0160

NH Fuse-Links for cable and line protection, AC 500 V gL

Features:
- Center indicator
- Non-insulated metal gripping lug
- Pure silver fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 00 2A GL AG AC500V	00	2	10	NH-SI 00 2A GL AG AC500V	**35010-0010**
NH-SI 00 4A GL AG AC500V	00	4	10	NH-SI 00 4A GL AG AC500V	**35010-0020**
NH-SI 00 6A GL AG AC500V	00	6	10	NH-SI 00 6A GL AG AC500V	**35010-0030**
NH-SI 00 10A GL AG AC500V	00	10	10	NH-SI 00 10A GL AG AC500V	**35010-0040**
NH-SI 00 16A GL AG AC500V	00	16	10	NH-SI 00 16A GL AG AC500V	**35010-0050**
NH-SI 00 20A GL AG AC500V	00	20	10	NH-SI 00 20A GL AG AC500V	**35010-0060**
NH-SI 00 25A GL AG AC500V	00	25	10	NH-SI 00 25A GL AG AC500V	**35010-0070**
NH-SI 00 32A GL AG AC500V	00	32	10	NH-SI 00 32A GL AG AC500V	**35010-0080**
NH-SI 00 35A GL AG AC500V	00	35	10	NH-SI 00 35A GL AG AC500V	**35010-0090**
NH-SI 00 40A GL AG AC500V	00	40	10	NH-SI 00 40A GL AG AC500V	**35010-0100**
NH-SI 00 50A GL AG AC500V	00	50	10	NH-SI 00 50A GL AG AC500V	**35010-0110**
NH-SI 00 63A GL AG AC500V	00	63	10	NH-SI 00 63A GL AG AC500V	**35010-0120**
NH-SI 00 80A GL AG AC500V	00	80	10	NH-SI 00 80A GL AG AC500V	**35010-0130**
NH-SI 00 100A GL AG AC500V	00	100	10	NH-SI 00 100A GL AG AC500V	**35010-0140**
NH-SI 00 125A GL AG AC500V	00	125	10	NH-SI 00 125A GL AG AC500V	**35010-0150**
NH-SI 00 160A GL AG AC500V	00	160	10	NH-SI 00 160A GL AG AC500V	**35010-0160**
NH-SI 1/6A GL AG AC500V	1	6	3	NH-SI 1/ 6A GL AG AC500V	**35034-0010**
NH-SI 1/10A GL AG AC500V	1	10	3	NH-SI 1/ 10A GL AG AC500V	**35034-0020**
NH-SI 1/16A GL AG AC500V	1	16	3	NH-SI 1/ 16A GL AG AC500V	**35034-0030**
NH-SI 1/20A GL AG AC500V	1	20	3	NH-SI 1/ 20A GL AG AC500V	**35034-0040**
NH-SI 1/25A GL AG AC500V	1	25	3	NH-SI 1/ 25A GL AG AC500V	**35034-0050**
NH-SI 1/35A GL AG AC500V	1	35	3	NH-SI 1/ 35A GL AG AC500V	**35034-0060**
NH-SI 1/50A GL AG AC500V	1	50	3	NH-SI 1/ 50A GL AG AC500V	**35034-0070**
NH-SI 1/63A GL AG AC500V	1	63	3	NH-SI 1/ 63A GL AG AC500V	**35034-0080**
NH-SI 1/80A GL AG AC500V	1	80	3	NH-SI 1/ 80A GL AG AC500V	**35034-0090**
NH-SI 1/100A GL AG AC500V	1	100	3	NH-SI 1/ 100A GL AG AC500V	**35034-0100**
NH-SI 1/125A GL AG AC500V	1	125	3	NH-SI 1/ 125A GL AG AC500V	**35034-0110**
NH-SI 1 160A GL AG AC500V	1	160	3	NH-SI 1 160A GL AG AC500V	**35034-0120**
NH-SI 1 200A GL AG AC500V	1	200	3	NH-SI 1 200A GL AG AC500V	**35034-0130**
NH-SI 1 224A GL AG AC500V	1	224	3	NH-SI 1 224A GL AG AC500V	**35034-0140**
NH-SI 1 250A GL AG AC500V	1	250	3	NH-SI 1 250A GL AG AC500V	**35034-0150**
NH-SI 2/25A GL AG AC500V	2	25	3	NH-SI 2/ 25A GL AG AC500V	**35053-0010**
NH-SI 2/35A GL AG AC500V	2	35	3	NH-SI 2/ 35A GL AG AC500V	**35053-0020**
NH-SI 2/50A GL AG AC500V	2	50	3	NH-SI 2/ 50A GL AG AC500V	**35053-0030**
NH-SI 2/63A GL AG AC500V	2	63	3	NH-SI 2/ 63A GL AG AC500V	**35053-0040**
NH-SI 2/80A GL AG AC500V	2	80	3	NH-SI 2/ 80A GL AG AC500V	**35053-0050**
NH-SI 2/100A GL AG AC500V	2	100	3	NH-SI 2/ 100A GL AG AC500V	**35053-0060**
NH-SI 2/125A GL AG AC500V	2	125	3	NH-SI 2/ 125A GL AG AC500V	**35053-0070**
NH-SI 2/160A GL AG AC500V	2	160	3	NH-SI 2/ 160A GL AG AC500V	**35053-0080**
NH-SI 2/200A GL AG AC500V	2	200	3	NH-SI 2/ 200A GL AG AC500V	**35053-0090**
NH-SI 2/224A GL AG AC500V	2	224	3	NH-SI 2/ 224A GL AG AC500V	**35053-0100**
NH-SI 2 250A GL AG AC500V	2	250	3	NH-SI 2 250A GL AG AC500V	**35053-0110**
NH-SI 2 300A GL AG AC500V	2	300	3	NH-SI 2 300A GL AG AC500V	**35053-0120**
NH-SI 2 315A GL AG AC500V	2	315	3	NH-SI 2 315A GL AG AC500V	**35053-0130**
NH-SI 2 355A GL AG AC500V	2	355	3	NH-SI 2 355A GL AG AC500V	**35053-0140**
NH-SI 2 400A GL AG AC500V	2	400	3	NH-SI 2 400A GL AG AC500V	**35053-0150**
NH-SI 3 315A GL AG AC500V	3	315	3	NH-SI 3 315A GL AG AC500V	**35077-0010**
NH-SI 3 355A GL AG AC500V	3	355	3	NH-SI 3 355A GL AG AC500V	**35077-0020**
NH-SI 3 400A GL AG AC500V	3	400	3	NH-SI 3 400A GL AG AC500V	**35077-0030**
NH-SI 3 425A GL AG AC500V	3	425	3	NH-SI 3 425A GL AG AC500V	**35077-0040**
NH-SI 3 500A GL AG AC500V	3	500	3	NH-SI 3 500A GL AG AC500V	**35077-0050**
NH-SI 3 630A GL AG AC500V	3	630	3	NH-SI 3 630A GL AG AC500V	**35077-0060**

NH Fuse-Links 500V gL

- Rated voltage: AC 500V / DC 440V*
- Utilization category: gL acc. to VDE 0636-21 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35164-0160

NH Fuse-Links for cable and line protection, AC 500V gL

Features:
- Center indicator
- Insulated metal gripping lug
- Pure silver fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 00 2A GL AG AC500V LI	00	2	10	NH-SI 00 2A GL AG AC500V LI	**35164-0010**
NH-SI 00 4A GL AG AC500V LI	00	4	10	NH-SI 00 4,0A GL AG AC500V LI	**35164-0020**
NH-SI 00 6A GL AG AC500V LI	00	6	10	NH-SI 00 6A GL AG AC500V LI	**35164-0030**
NH-SI 00 10A GL AG AC500V LI	00	10	10	NH-SI 00 10A GL AG AC500V LI	**35164-0040**
NH-SI 00 16A GL AG AC500V LI	00	16	10	NH-SI 00 16A GL AG AC500V LI	**35164-0050**
NH-SI 00 20A GL AG AC500V LI	00	20	10	NH-SI 00 20A GL AG AC500V LI	**35164-0060**
NH-SI 00 25A GL AG AC500V LI	00	25	10	NH-SI 00 25A GL AG AC500V LI	**35164-0070**
NH-SI 00 32A GL AG AC500V LI	00	32	10	NH-SI 00 32A GL AG AC500V LI	**35164-0080**
NH-SI 00 35A GL AG AC500V LI	00	35	10	NH-SI 00 35A GL AG AC500V LI	**35164-0090**
NH-SI 00 40A GL AG AC500V LI	00	40	10	NH-SI 00 40A GL AG AC500V LI	**35164-0100**
NH-SI 00 50A GL AG AC500V LI	00	50	10	NH-SI 00 50A GL AG AC500V LI	**35164-0110**
NH-SI 00 63A GL AG AC500V LI	00	63	10	NH-SI 00 63A GL AG AC500V LI	**35164-0120**
NH-SI 00 80A GL AG AC500V LI	00	80	10	NH-SI 00 80A GL AG AC500V LI	**35164-0130**
NH-SI 00 100A GL AG AC500V LI	00	100	10	NH-SI 00 100A GL AG AC500V LI	**35164-0140**
NH-SI 00 125A GL AG AC500V LI	00	125	10	NH-SI 00 125A GL AG AC500V LI	**35164-0150**
NH-SI 00 160A GL AG AC500V LI	00	160	10	NH-SI 00 160A GL AG AC500V LI	**35164-0160**
NH-SI 1 6A GL AG AC500V LI	1	6	3	NH-SI 1 6A GL AG AC500V LI	**35203-0010**
NH-SI 1 10A GL AG AC500V LI	1	10	3	NH-SI 1 10A GL AG AC500V LI	**35203-0020**
NH-SI 1 16A GL AG AC500V LI	1	16	3	NH-SI 1 16A GL AG AC500V LI	**35203-0030**
NH-SI 1 20A GL AG AC500V LI	1	20	3	NH-SI 1 20A GL AG AC500V LI	**35203-0040**
NH-SI 1 25A GL AG AC500V LI	1	25	3	NH-SI 1 25A GL AG AC500V LI	**35203-0050**
NH-SI 1 35A GL AG AC500V LI	1	35	3	NH-SI 1 35A GL AG AC500V LI	**35203-0060**
NH-SI 1 50A GL AG AC500V LI	1	50	3	NH-SI 1 50A GL AG AC500V LI	**35203-0070**
NH-SI 1 63A GL AG AC500V LI	1	63	3	NH-SI 1 63A GL AG AC500V LI	**35203-0080**
NH-SI 1 80A GL AG AC500V LI	1	80	3	NH-SI 1 80A GL AG AC500V LI	**35203-0090**
NH-SI 1 100A GL AG AC500V LI	1	100	3	NH-SI 1 100A GL AG AC500V LI	**35203-0100**
NH-SI 1 125A GL AG AC500V LI	1	125	3	NH-SI 1 125A GL AG AC500V LI	**35203-0110**
NH-SI 1 160A GL AG AC500V LI	1	160	3	NH-SI 1 160A GL AG AC500V LI	**35203-0120**
NH-SI 1 200A GL AG AC500V LI	1	200	3	NH-SI 1 200A GL AG AC500V LI	**35203-0130**
NH-SI 1 224A GL AG AC500V LI	1	224	3	NH-SI 1 224A GL AG AC500V LI	**35203-0140**
NH-SI 1 250A GL AG AC500V LI	1	250	3	NH-SI 1 250A GL AG AC500V LI	**35203-0150**
NH-SI 2 25A GL AG AC500V LI	2	25	3	NH-SI 2 25A GL AG AC500V LI	**35115-0010**
NH-SI 2 35A GL AG AC500V LI	2	35	3	NH-SI 2 35A GL AG AC500V LI	**35115-0020**
NH-SI 2 50A GL AG AC500V LI	2	50	3	NH-SI 2 50A GL AG AC500V LI	**35115-0030**
NH-SI 2 63A GL AG AC500V LI	2	63	3	NH-SI 2 63A GL AG AC500V LI	**35115-0040**
NH-SI 2 80A GL AG AC500V LI	2	80	3	NH-SI 2 80A GL AG AC500V LI	**35115-0050**
NH-SI 2 100A GL AG AC500V LI	2	100	3	NH-SI 2 100A GL AG AC500V LI	**35115-0060**
NH-SI 2 125A GL AG AC500V LI	2	125	3	NH-SI 2 125A GL AG AC500V LI	**35115-0070**
NH-SI 2 160A GL AG AC500V LI	2	160	3	NH-SI 2 160A GL AG AC500V LI	**35115-0080**
NH-SI 2 200A GL AG AC500V LI	2	200	3	NH-SI 2 200A GL AG AC500V LI	**35115-0090**
NH-SI 2 224A GL AG AC500V LI	2	224	3	NH-SI 2 224A GL AG AC500V LI	**35115-0100**
NH-SI 2 250A GL AG AC500V LI	2	250	3	NH-SI 2 250A GL AG AC500V LI	**35115-0110**
NH-SI 2 300A GL AG AC500V LI	2	300	3	NH-SI 2 300A GL AG AC500V LI	**35115-0120**
NH-SI 2 315A GL AG AC500V LI	2	315	3	NH-SI 2 315A GL AG AC500V LI	**35115-0130**
NH-SI 2 355A GL AG AC500V LI	2	355	3	NH-SI 2 355A GL AG AC500V LI	**35115-0140**
NH-SI 2 400A GL AG AC500V LI	2	400	3	NH-SI 2 400A GL AG AC500V LI	**35115-0150**

NH Fuse-Links 500V gL

- Rated voltage: AC 500V / DC 440V*
- Utilization category: gL acc. to VDE 0636-21 and VDE 0636-1
- IEC 60269-2
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35164-0240

NH Fuse-Links for cable and line protection, AC 500V gL

Features:
- Center indicator (specifically for meshed mains systems)
- Insulated metal gripping lug
- Pure silver fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 00 10A GL AG AC500V LI AU	00	10	10	NH-SI 00 10A GL AG AC500V LI AU	**35164-0270**
NH-SI 00 16A GL AG AC500V LI AU	00	16	10	NH-SI 00 16A GL AG AC500V LI AU	**35164-0260**
NH-SI 00 25A GL AG AC500V LI AU	00	25	10	NH-SI 00 25A GL AG AC500V LI AU	**35164-0250**
NH-SI 00 35A GL AG AC500V LI AU	00	35	10	NH-SI 00 35A GL AG AC500V LI AU	**35164-0170**
NH-SI 00 40A GL AG AC500V LI AU	00	40	10	NH-SI 00 40A GL AG AC500V LI AU	**35164-0180**
NH-SI 00 50A GL AG AC500V LI AU	00	50	10	NH-SI 00 50A GL AG AC500V LI AU	**35164-0190**
NH-SI 00 63A GL AG AC500V LI AU	00	63	10	NH-SI 00 63A GL AG AC500V LI AU	**35164-0200**
NH-SI 00 80A GL AG AC500V LI AU	00	80	10	NH-SI 00 80A GL AG AC500V LI AU	**35164-0210**
NH-SI 00 100A GL AG AC500V LI AU	00	100	10	NH-SI 00 100A GL AG AC500V LI AU	**35164-0220**
NH-SI 00 125A GL AG AC500V LI AU	00	125	10	NH-SI 00 125A GL AG AC500V LI AU	**35164-0230**
NH-SI 00 160A GL AG AC500V LI AU	00	160	10	NH-SI 00 160A GL AG AC500V LI AU	**35164-0240**
NH-SI 2 35A GL AG AC500V LI AU	2	35	3	NH-SI 2 35A GL AG AC500V LI AU	**35115-0280**
NH-SI 2 63A GL AG AC500V LI AU	2	63	3	NH-SI 2 63A GL AG AC500V LI AU	**35115-0160**
NH-SI 2 80A GL AG AC500V LI AU	2	80	3	NH-SI 2 80A GL AG AC500V LI AU	**35115-0170**
NH-SI 2 100A GL AG AC500V LI AU	2	100	3	NH-SI 2 100A GL AG AC500V LI AU	**35115-0180**
NH-SI 2 125A GL AG AC500V LI AU	2	125	3	NH-SI 2 125A GL AG AC500V LI AU	**35115-0190**
NH-SI 2 160A GL AG AC500V LI AU	2	160	3	NH-SI 2 160A GL AG AC500V LI AU	**35115-0200**
NH-SI 2 200A GL AG AC500V LI AU	2	200	3	NH-SI 2 200A GL AG AC500V LI AU	**35115-0210**
NH-SI 2 224A GL AG AC500V LI AU	2	224	3	NH-SI 2 224A GL AG AC500V LI AU	**35115-0220**
NH-SI 2 250A GL AG AC500V LI AU	2	250	3	NH-SI 2 250A GL AG AC500V LI AU	**35115-0230**
NH-SI 2 300A GL AG AC500V LI AU	2	300	3	NH-SI 2 300A GL AG AC500V LI AU	**35115-0240**
NH-SI 2 315A GL AG AC500V LI AU	2	315	3	NH-SI 2 315A GL AG AC500V LI AU	**35115-0250**
NH-SI 2 355A GL AG AC500V LI AU	2	355	3	NH-SI 2 355A GL AG AC500V LI AU	**35115-0260**
NH-SI 2 400A GL AG AC500V LI AU	2	400	3	NH-SI 2 400A GL AG AC500V LI AU	**35115-0270**

NH Fuse-Links 690 V gG

- Rated voltage: AC 690 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2 and IEC 60269-1
- Application: for cable and line protection
- Breaking capacity AC: 80 kA (630 A, 50 kA)
- Breaking capacity DC: see technical data

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35421-0250

NH Fuse-Links for cable and line protection, 690 V AC gG

Features:
- Twin indicator
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 000 2A GG AC690V AK	000	2	3	NH-SI 000 2A GG AC690V AK	**35421-0020**
NH-SI 000 4A GG AC690V AK	000	4	3	NH-SI 000 4A GG AC690V AK	**35421-0040**
NH-SI 000 6A GG AC690V AK	000	6	3	NH-SI 000 6A GG AC690V AK	**35421-0060**
NH-SI 000 10A GG AC690V AK	000	10	3	NH-SI 000 10A GG AC690V AK	**35421-0100**
NH-SI 000 16A GG AC690V AK	000	16	3	NH-SI 000 16A GG AC690V AK	**35421-0160**
NH-SI 000 20A GG AC690V AK	000	20	3	NH-SI 000 20A GG AC690V AK	**35421-0200**
NH-SI 000 25A GG AC690V AK	000	25	3	NH-SI 000 25A GG AC690V AK	**35421-0250**
NH-SI 000 32A GG AC690V AK	000	32	3	NH-SI 000 32A GG AC690V AK	**35421-0320**
NH-SI 000 35A GG AC690V AK	000	35	3	NH-SI 000 35A GG AC690V AK	**35421-0350**
NH-SI 000 40A GG AC690V AK	000	40	3	NH-SI 000 40A GG AC690V AK	**35421-0400**
NH-SI 000 50A GG AC690V AK	000	50	3	NH-SI 000 50A GG AC690V AK	**35421-0500**
NH-SI 000 63A GG AC690V AK	000	63	3	NH-SI 000 63A GG AC690V AK	**35421-0630**
NH-SI 00 80A GG AC690V AK	00	80	3	NH-SI 00 80A GG AC690V AK	**35422-0800**
NH-SI 00 100A GG AC690V AK	00	100	3	NH-SI 00 100A GG AC690V AK	**35422-1000**
NH-SI 00 125A GG AC690V AK	00	125	3	NH-SI 00 125A GG AC690V AK	**35422-1250**
NH-SI 1/ 25A GG AC690V AK	1	25	3	NH-SI 1/ 25A GG AC690V AK	**35423-0250**
NH-SI 1/ 32A GG AC690V AK	1	32	3	NH-SI 1/ 32A GG AC690V AK	**35423-0320**
NH-SI 1/ 35A GG AC690V AK	1	35	3	NH-SI 1/ 35A GG AC690V AK	**35423-0350**
NH-SI 1/ 40A GG AC690V AK	1	40	3	NH-SI 1/ 40A GG AC690V AK	**35423-0400**
NH-SI 1/ 50A GG AC690V AK	1	50	3	NH-SI 1/ 50A GG AC690V AK	**35423-0500**
NH-SI 1/ 63A GG AC690V AK	1	63	3	NH-SI 1/ 63A GG AC690V AK	**35423-0630**
NH-SI 1/ 80A GG AC690V AK	1	80	3	NH-SI 1/ 80A GG AC690V AK	**35423-0800**
NH-SI 1/ 100A GG AC690V AK	1	100	3	NH-SI 1/ 100A GG AC690V AK	**35423-1000**
NH-SI 1 125A GG AC690V AK	1	125	3	NH-SI 1 125A GG AC690V AK	**35423-1250**
NH-SI 1 160A GG AC690V AK	1	160	3	NH-SI 1 160A GG AC690V AK	**35423-1600**
NH-SI 1 200A GG AC690V AK	1	200	3	NH-SI 1 200A GG AC690V AK	**35423-2000**
NH-SI 1 250A GG AC690V AK	1	250	3	NH-SI 1 250A GG AC690V AK	**35423-2500**
NH-SI 2/ 25A GG AC690V AK	2	25	3	NH-SI 2/ 25A GG AC690V AK	**35424-0250**
NH-SI 2/ 35A GG AC690V AK	2	35	3	NH-SI 2/ 35A GG AC690V AK	**35424-0350**
NH-SI 2/ 50A GG AC690V AK	2	50	3	NH-SI 2/ 50A GG AC690V AK	**35424-0500**
NH-SI 2/ 63A GG AC690V AK	2	63	3	NH-SI 2/ 63A GG AC690V AK	**35424-0630**
NH-SI 2/ 80A GG AC690V AK	2	80	3	NH-SI 2/ 80A GG AC690V AK	**35424-0800**
NH-SI 2/ 100A GG AC690V AK	2	100	3	NH-SI 2/ 100A GG AC690V AK	**35424-1000**
NH-SI 2/ 125A GG AC690V AK	2	125	3	NH-SI 2/ 125A GG AC690V AK	**35424-1250**
NH-SI 2/ 160A GG AC690V AK	2	160	3	NH-SI 2/ 160A GG AC690V AK	**35424-1600**
NH-SI 2/ 200A GG AC690V AK	2	200	3	NH-SI 2/ 200A GG AC690V AK	**35424-2000**
NH-SI 2/ 250A GG AC690V AK	2	250	3	NH-SI 2/ 250A GG AC690V AK	**35424-2500**
NH-SI 2 315A GG AC690V AK	2	315	3	NH-SI 2 315A GG AC690V AK	**35424-3150**
NH-SI 2 355A GG AC690V AK	2	355	3	NH-SI 2 355A GG AC690V AK	**35424-3550**
NH-SI 2 400A GG AC690V MA	2	400	3	NH-SI 2 400A GG AC690V MA	**35424-4000**

NH Fuse-Links 690 V gG

- Rated voltage: AC 690 V
- Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1
- IEC 60269-2 and IEC 60269-1
- Application: for cable and line protection
- Breaking capacity AC: 80 kA (630 A, 50 kA)
- Breaking capacity DC: see technical data

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35425-4000

NH Fuse-Links for cable and line protection, 690 V AC gG

Features:
- Twin indicator (630 A with center indicator)
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3/ 80A GG AC690V AK	3	80	3	NH-SI 3/ 80A GG AC690V AK	**35425-0800**
NH-SI 3/ 100A GG AC690V AK	3	100	3	NH-SI 3/ 100A GG AC690V AK	**35425-1000**
NH-SI 3/ 125A GG AC690V AK	3	125	3	NH-SI 3/ 125A GG AC690V AK	**35425-1250**
NH-SI 3/ 160A GG AC690V AK	3	160	3	NH-SI 3/ 160A GG AC690V AK	**35425-1600**
NH-SI 3/ 200A GG AC690V AK	3	200	3	NH-SI 3/ 200A GG AC690V AK	**35425-2000**
NH-SI 3/ 224A GG AC690V AK	3	224	3	NH-SI 3/ 224A GG AC690V AK	**35425-2240**
NH-SI 3/ 250A GG AC690V AK	3	250	3	NH-SI 3/ 250A GG AC690V AK	**35425-2500**
NH-SI 3/ 315A GG AC690V AK	3	315	3	NH-SI 3/ 315A GG AC690V AK	**35425-3150**
NH-SI 3/ 355A GG AC690V AK	3	355	3	NH-SI 3/ 355A GG AC690V AK	**35425-3550**
NH-SI 3 400A GG AC690V AK	3	400	3	NH-SI 3 400A GG AC690V AK	**35425-4000**
NH-SI 3 425A GG AC690V AK	3	425	3	NH-SI 3 425A GG AC690V AK	**35425-4250**
NH-SI 3 500A GG AC690V AK	3	500	3	NH-SI 3 500A GG AC690V AK	**35425-5000**
NH-SI 3 630A GG AC690V MA	3	630	3	NH-SI 3 630A GG AC690V MA	**35425-6300**

NH Fuse-Links 500 V gR

- Rated voltage: AC 500 V
- Utilization category: gR acc. to VDE 0636-4
- Application: for semiconductor protection
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

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35058-0110

NH Fuse-Links for semiconductor protection, 500 V AC gR

Features:
- Center indicator
- Non-insulated metal gripping lug
- Pure silver fuse element

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 00 16A GR AC500V LS	00	16	10	NH-SI 00 16A GR AC500V LS	**35024-0180**
NH-SI 00 20A GR AC500V LS	00	20	10	NH-SI 00 20A GR AC500V LS	**35024-0170**
NH-SI 00 25A GR AC500V LS	00	25	10	NH-SI 00 25A GR AC500V LS	**35024-0190**
NH-SI 00 35A GR AC500V LS	00	35	10	NH-SI 00 35A GR AC500V LS	**35024-0010**
NH-SI 00 40A GR AC500V LS	00	40	10	NH-SI 00 40A GR AC500V LS	**35024-0020**
NH-SI 00 50A GR AC500V LS	00	50	10	NH-SI 00 50A GR AC500V LS	**35024-0030**
NH-SI 00 63A GR AC500V LS	00	63	10	NH-SI 00 63A GR AC500V LS	**35024-0040**
NH-SI 00 80A GR AC500V LS	00	80	10	NH-SI 00 80A GR AC500V LS	**35024-0050**
NH-SI 00 100A GR AC500V LS	00	100	10	NH-SI 00 100A GR AC500V LS	**35024-0060**
NH-SI 00 125A GR AC500V LS	00	125	10	NH-SI 00 125A GR AC500V LS	**35024-0070**
NH-SI 00 160A GR AC500V LS	00	160	10	NH-SI 00 160A GR AC500V LS	**35024-0080**
NH-SI 1 35A GR AC500V LS	1	35	3	NH-SI 1 35A GR AC500V LS	**35040-0010**
NH-SI 1 50A GR AC500V LS	1	50	3	NH-SI 1 50A GR AC500V LS	**35040-0020**
NH-SI 1 63A GR AC500V LS	1	63	3	NH-SI 1 63A GR AC500V LS	**35040-0030**
NH-SI 1 80A GR AC500V LS	1	80	3	NH-SI 1 80A GR AC500V LS	**35040-0040**
NH-SI 1 100A GR AC500V LS	1	100	3	NH-SI 1 100A GR AC500V LS	**35040-0050**
NH-SI 1 125A GR AC500V LS	1	125	3	NH-SI 1 125A GR AC500V LS	**35040-0060**
NH-SI 1 160A GR AC500V LS	1	160	3	NH-SI 1 160A GR AC500V LS	**35040-0070**
NH-SI 1 200A GR AC500V LS	1	200	3	NH-SI 1 200A GR AC500V LS	**35040-0080**
NH-SI 1 224A GR AC500V LS	1	224	3	NH-SI 1 224A GR AC500V LS	**35040-0090**
NH-SI 1 250A GR AC500V LS	1	250	3	NH-SI 1 250A GR AC500V LS	**35040-0100**
NH-SI 2 80A GR AC500V LS	2	80	3	NH-SI 2 80A GR AC500V LS	**35058-0010**
NH-SI 2 100A GR AC500V LS	2	100	3	NH-SI 2 100A GR AC500V LS	**35058-0020**
NH-SI 2 125A GR AC500V LS	2	125	3	NH-SI 2 125A GR AC500V LS	**35058-0030**
NH-SI 2 160A GR AC500V LS	2	160	3	NH-SI 2 160A GR AC500V LS	**35058-0040**
NH-SI 2 200A GR AC500V LS	2	200	3	NH-SI 2 200A GR AC500V LS	**35058-0050**
NH-SI 2 224A GR AC500V LS	2	224	3	NH-SI 2 224A GR AC500V LS	**35058-0060**
NH-SI 2 250A GR AC500V LS	2	250	3	NH-SI 2 250A GR AC500V LS	**35058-0070**
NH-SI 2 300A GR AC500V LS	2	300	3	NH-SI 2 300A GR AC500V LS	**35058-0080**
NH-SI 2 315A GR AC500V LS	2	315	3	NH-SI 2 315A GR AC500V LS	**35058-0090**
NH-SI 2 355A GR AC500V LS	2	355	3	NH-SI 2 355A GR AC500V LS	**35058-0100**
NH-SI 2 400A GR AC500V LS	2	400	3	NH-SI 2 400A GR AC500V LS	**35058-0110**
NH-SI 3 315A GR AC500V LS	3	315	1	NH-SI 3 315A GR AC500V LS	**35079-0010**
NH-SI 3 355A GR AC500V LS	3	355	1	NH-SI 3 355A GR AC500V LS	**35079-0020**
NH-SI 3 400A GR AC500V LS	3	400	1	NH-SI 3 400A GR AC500V LS	**35079-0030**
NH-SI 3 425A GR AC500V LS	3	425	1	NH-SI 3 425A GR AC500V LS	**35079-0040**
NH-SI 3 500A GR AC500V LS	3	500	1	NH-SI 3 500A GR AC500V LS	**35079-0050**
NH-SI 3 630A GR AC500V LS	3	630	1	NH-SI 3 630A GR AC500V LS	**35079-0060**
NH-SI 00 16A GR AC500V SM	00	16	10	NH-SI 00 16A GR AC500V SM	**35218-0010**
NH-SI 00 20A GR AC500V SM	00	20	10	NH-SI 00 20A GR AC500V SM	**35218-0020**
NH-SI 00 25A GR AC500V SM	00	25	10	NH-SI 00 25A GR AC500V SM	**35218-0030**
NH-SI 00 35A GR AC500V SM	00	35	10	NH-SI 00 35A GR AC500V SM	**35218-0040**
NH-SI 00 40A GR AC500V SM	00	40	10	NH-SI 00 40A GR AC500V SM	**35218-0050**
NH-SI 00 50A GR AC500V SM	00	50	10	NH-SI 00 50A GR AC500V SM	**35218-0060**
NH-SI 00 63A GR AC500V SM	00	63	10	NH-SI 00 63A GR AC500V SM	**35218-0070**
NH-SI 00 80A GR AC500V SM	00	80	10	NH-SI 00 80A GR AC500V SM	**35218-0080**
NH-SI 00 100A GR AC500V SM	00	100	10	NH-SI 00 100A GR AC500V SM	**35218-0090**
NH-SI 00 125A GR AC500V SM	00	125	10	NH-SI 00 125A GR AC500V SM	**35218-0100**
NH-SI 1 35A GR AC500V LS SM	1	35	1	NH-SI 1 35A GR AC500V LS SM	**35046-0010**
NH-SI 1 50A GR AC500V LS SM	1	50	1	NH-SI 1 50A GR AC500V LS SM	**35046-0020**
NH-SI 1 63A GR AC500V LS SM	1	63	1	NH-SI 1 63A GR AC500V LS SM	**35046-0030**
NH-SI 1 80A GR AC500V LS SM	1	80	1	NH-SI 1 80A GR AC500V LS SM	**35046-0040**
NH-SI 1 100A GR AC500V LS SM	1	100	1	NH-SI 1 100A GR AC500V LS SM	**35046-0050**

NH Fuse-Links 500 V gR

- Rated voltage: AC 500 V
- Utilization category: gR acc. to VDE 0636-4
- Application: for semiconductor protection
- Breaking capacity AC: 120 kA
- Breaking capacity DC: see technical data

▶ Technical data, page 46



35060-0150

NH Fuse-Links for semiconductor protection, 500 V AC gR

Features:
- Center indicator
- Non-insulated metal gripping lug
- Pure silver fuse element
- Striker for fuse monitoring

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 00 16A GR AC500V SM	00	16	10	NH-SI 00 16A GR AC500V SM	**35218-0010**
NH-SI 00 20A GR AC500V SM	00	20	10	NH-SI 00 20A GR AC500V SM	**35218-0020**
NH-SI 00 25A GR AC500V SM	00	25	10	NH-SI 00 25A GR AC500V SM	**35218-0030**
NH-SI 00 35A GR AC500V SM	00	35	10	NH-SI 00 35A GR AC500V SM	**35218-0040**
NH-SI 00 40A GR AC500V SM	00	40	10	NH-SI 00 40A GR AC500V SM	**35218-0050**
NH-SI 00 50A GR AC500V SM	00	50	10	NH-SI 00 50A GR AC500V SM	**35218-0060**
NH-SI 00 63A GR AC500V SM	00	63	10	NH-SI 00 63A GR AC500V SM	**35218-0070**
NH-SI 00 80A GR AC500V SM	00	80	10	NH-SI 00 80A GR AC500V SM	**35218-0080**
NH-SI 00 100A GR AC500V SM	00	100	10	NH-SI 00 100A GR AC500V SM	**35218-0090**
NH-SI 00 125A GR AC500V SM	00	125	10	NH-SI 00 125A GR AC500V SM	**35218-0100**
NH-SI 1 35A GR AC500V LS SM	1	35	1	NH-SI 1 35A GR AC500V LS SM	**35046-0010**
NH-SI 1 50A GR AC500V LS SM	1	50	1	NH-SI 1 50A GR AC500V LS SM	**35046-0020**
NH-SI 1 63A GR AC500V LS SM	1	63	1	NH-SI 1 63A GR AC500V LS SM	**35046-0030**
NH-SI 1 80A GR AC500V LS SM	1	80	1	NH-SI 1 80A GR AC500V LS SM	**35046-0040**
NH-SI 1 100A GR AC500V LS SM	1	100	1	NH-SI 1 100A GR AC500V LS SM	**35046-0050**
NH-SI 1 160A GR AC500V LS SM	1	160	1	NH-SI 1 160A GR AC500V LS SM	**35046-0070**
NH-SI 1 200A GR AC500V LS SM	1	200	1	NH-SI 1 200A GR AC500V LS SM	**35046-0080**
NH-SI 1 224A GR AC500V LS SM	1	224	1	NH-SI 1 224A GR AC500V LS SM	**35046-0090**
NH-SI 1 250A GR AC500V LS SM	1	250	1	NH-SI 1 250A GR AC500V LS SM	**35046-0100**
NH-SI 2 80A GR AC500V LS SM	2	80	1	NH-SI 2 80A GR AC500V LS SM	**35060-0050**
NH-SI 2 100A GR AC500V LS SM	2	100	1	NH-SI 2 100A GR AC500V LS SM	**35060-0060**
NH-SI 2 125A GR AC500V LS SM	2	125	1	NH-SI 2 125A GR AC500V LS SM	**35060-0070**
NH-SI 2 160A GR AC500V LS SM	2	160	1	NH-SI 2 160A GR AC500V LS SM	**35060-0080**
NH-SI 2 200A GR AC500V LS SM	2	200	1	NH-SI 2 200A GR AC500V LS SM	**35060-0090**
NH-SI 2 224A GR AC500V LS SM	2	224	1	NH-SI 2 224A GR AC500V LS SM	**35060-0100**
NH-SI 2 250A GR AC500V LS SM	2	250	1	NH-SI 2 250A GR AC500V LS SM	**35060-0110**
NH-SI 2 300A GR AC500V LS SM	2	300	1	NH-SI 2 300A GR AC500V LS SM	**35060-0120**
NH-SI 2 315A GR AC500V LS SM	2	315	1	NH-SI 2 315A GR AC500V LS SM	**35060-0130**
NH-SI 2 355A GR AC500V LS SM	2	355	1	NH-SI 2 355A GR AC500V LS SM	**35060-0140**
NH-SI 2 400A GR AC500V LS SM	2	400	1	NH-SI 2 400A GR AC500V LS SM	**35060-0150**
NH-SI 3 315A GR AC500V LS SM	3	315	1	NH-SI 3 315A GR AC500V LS SM	**35086-0010**
NH-SI 3 355A GR AC500V LS SM	3	355	1	NH-SI 3 355A GR AC500V LS SM	**35086-0020**
NH-SI 3 400A GR AC500V LS SM	3	400	1	NH-SI 3 400A GR AC500V LS SM	**35086-0030**
NH-SI 3 425A GR AC500V LS SM	3	425	1	NH-SI 3 425A GR AC500V LS SM	**35086-0040**
NH-SI 3 500A GR AC500V LS SM	3	500	1	NH-SI 3 500A GR AC500V LS SM	**35086-0050**
NH-SI 3 630A GR AC500V LS SM	3	630	1	NH-SI 3 630A GR AC500V LS SM	**35086-0060**

NH Fuse-Links 500V gR

- Rated voltage: AC 500 V
- Utilization category: gR acc. to VDE 0636-4
- Application: Maintenance fuse
- Breaking capacity AC: 120 kA

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35209-0050

Maintenance fuse-link 500 V AC LI

Features:
- Specific marking
- Insulated metal gripping lugs
- Pure silver fuse element
- Highly vibration-resistant screws

Designation	Size	Amps	PU	Product designation	Order no.
NH-ARBEITSSICHERUNG 2 80A GR AC500V LI	2	80	3	NH-ARBEITSSICHERUNG 2 80A GR AC500V LI	**35209-0010**
NH-ARBEITSSICHERUNG 2 100A GR AC500V LI	2	100	3	NH-ARBEITSSICHERUNG 2 100A GR AC500V LI	**35209-0020**
NH-ARBEITSSICHERUNG 2 125A GR AC500V LI	2	125	3	NH-ARBEITSSICHERUNG 2 125A GR AC500V LI	**35209-0030**
NH-ARBEITSSICHERUNG 2 160A GR AC500V LI	2	160	3	NH-ARBEITSSICHERUNG 2 160A GR AC500V LI	**35209-0040**
NH-ARBEITSSICHERUNG 2 200A GR AC500V LI	2	200	3	NH-ARBEITSSICHERUNG 2 200A GR AC500V LI	**35209-0050**
NH-ARBEITSSICHERUNG 2 224A GR AC500V LI	2	224	3	NH-ARBEITSSICHERUNG 2 224A GR AC500V LI	**35209-0060**
NH-ARBEITSSICHERUNG 2 250A GR AC500V LI	2	250	3	NH-ARBEITSSICHERUNG 2 250A GR AC500V LI	**35209-0070**
NH-ARBEITSSICHERUNG 2 300A GR AC500V LI	2	300	3	NH-ARBEITSSICHERUNG 2 300A GR AC500V LI	**35209-0080**
NH-ARBEITSSICHERUNG 2 315A GR AC500V LI	2	315	3	NH-ARBEITSSICHERUNG 2 315A GR AC500V LI	**35209-0090**

NH Fuse-Links 400 V gTr

- Rated voltage: 400 V AC gTr
- Utilization category: gTr acc. to VDE 0636-2011
- Application: for transformer protection
- Breaking capacity: 100 kA size 3, 630 kVA, 50 kA

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35081-0110

NH Fuse-Links for transformer protection, 400 V AC gTr

Features:
- Center indicator
- Non-insulated metal gripping lug
- Copper fuse element

Designation	Size	kVA	Amps	PU	Product designation	Order no.
NH-SI 2 50KVA GTR AC400V MA	2	50	72	3	NH-SI 2 50KVA GTR AC400V MA	**35076-1010**
NH-SI 2 75KVA GTR AC400V MA	2	75	108	3	NH-SI 2 75KVA GTR AC400V MA	**35076-1020**
NH-SI 2 100KVA GTR AC400V MA	2	100	144	3	NH-SI 2 100KVA GTR AC400V MA	**35076-1030**
NH-SI 2 125KVA GTR AC400V MA	2	125	180	3	NH-SI 2 125KVA GTR AC400V MA	**35076-1040**
NH-SI 2 160KVA GTR AC400V MA	2	160	231	3	NH-SI 2 160KVA GTR AC400V MA	**35076-1050**
NH-SI 2 200KVA GTR AC400V MA	2	200	289	3	NH-SI 2 200KVA GTR AC400V MA	**35076-1060**
NH-SI 2 250KVA GTR AC400V MA	2	250	361	3	NH-SI 2 250KVA GTR AC400V MA	**35076-1070**
NH-SI 3 100KVA GTR AC400V MA	3	100	144	1	NH-SI 3 100KVA GTR AC400V MA	**35081-1040**
NH-SI 3 160KVA GTR AC400V MA	3	160	231	1	NH-SI 3 160KVA GTR AC400V MA	**35081-1060**
NH-SI 3 200KVA GTR AC400V MA	3	200	289	1	NH-SI 3 200KVA GTR AC400V MA	**35081-1050**
NH-SI 3 250KVA GTR AC400V MA	3	250	361	1	NH-SI 3 250KVA GTR AC400V MA	**35081-1010**
NH-SI 3 315KVA GTR AC400V MA	3	315	455	1	NH-SI 3 315KVA GTR AC400V MA	**35081-1020**
NH-SI 3 400KVA GTR AC400V MA	3	400	577	1	NH-SI 3 400KVA GTR AC400V MA	**35081-1030**
NH-SI 3 500KVA GTR AC400V MA	3	500	722	1	NH-SI 3 500KVA GTR AC400V MA	**35081-0100**
NH-SI 3 630KVA GTR AC400V MA	3	630	909	1	NH-SI 3 630KVA GTR AC400V MA	**35081-0110**
NH-SI 4A 100KVA GTR AC400V MA	4a	100	144	1	NH-SI 4A 100KVA GTR AC400V MA	**35100-0100**
NH-SI 4A 160KVA GTR AC400V MA	4a	160	231	1	NH-SI 4A 160KVA GTR AC400V MA	**35100-0110**
NH-SI 4A 200KVA GTR AC400V MA	4a	200	289	1	NH-SI 4A 200KVA GTR AC400V MA	**35100-0160**
NH-SI 4A 250KVA GTR AC400V MA	4a	250	361	1	NH-SI 4A 250KVA GTR AC400V MA	**35100-0120**
NH-SI 4A 315KVA GTR AC400V MA	4a	315	455	1	NH-SI 4A 315KVA GTR AC400V MA	**35100-0170**
NH-SI 4A 400KVA GTR AC400V MA	4a	400	577	1	NH-SI 4A 400KVA GTR AC400V MA	**35100-0130**
NH-SI 4A 500KVA GTR AC400V MA	4a	500	722	1	NH-SI 4A 500KVA GTR AC400V MA	**35100-0140**
NH-SI 4A 630KVA GTR AC400V MA	4a	630	909	1	NH-SI 4A 630KVA GTR AC400V MA	**35100-0150**
NH-SI 4A 800KVA GTR AC400V MA	4a	800	1155	1	NH-SI 4A 800KVA GTR AC400V MA	**35100-0040**
NH-SI 4A 1000KVA GTR AC400V	4a	1000	1443	1	NH-SI 4A 1000KVA GTR AC400V	**35100-0190**

NH Fuse-Links 1000 V gB/aM

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35041-0180

NH Fuse-Links 1L, 1000 V gB

Features:
AC 1000 V / DC 550 V*
- Breaking capacity: 25 kA
- gB acc. to VDE 0636-2011

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 1L 10A GB AC1000V LS AS	1L	10	1	NH-SI 1L 10A GB AC1000V LS AS	**35041-0410**
NH-SI 1L 16A GB AC1000V LS AS	1L	16	1	NH-SI 1L 16A GB AC1000V LS AS	**35041-0420**
NH-SI 1L 35A GB AC1000V LS AS	1L	35	1	NH-SI 1L 35A GB AC1000V LS AS	**35041-0100**
NH-SI 1L 50A GB AC1000V LS AS	1L	50	1	NH-SI 1L 50A GB AC1000V LS AS	**35041-0110**
NH-SI 1L 63A GB AC1000V LS AS	1L	63	1	NH-SI 1L 63A GB AC1000V LS AS	**35041-0120**
NH-SI 1L 80A GB AC1000V LS AS	1L	80	1	NH-SI 1L 80A GB AC1000V LS AS	**35041-0130**
NH-SI 1L 100A GB AC1000V LS AS	1L	100	1	NH-SI 1L 100A GB AC1000V LS AS	**35041-0140**
NH-SI 1L 125A GB AC1000V LS AS	1L	125	1	NH-SI 1L 125A GB AC1000V LS AS	**35041-0150**
NH-SI 1L 160A GB AC1000V LS AS	1L	160	1	NH-SI 1L 160A GB AC1000V LS AS	**35041-0160**
NH-SI 1L 200A GB AC1000V LS AS	1L	200	1	NH-SI 1L 200A GB AC1000V LS AS	**35041-0170**
NH-SI 1L 250A GB AC1000V LS AS	1L	250	1	NH-SI 1L 250A GB AC1000V LS AS	**35041-0180**



35151-0020

NH Fuse-Links for the back-up protection of mining equipment

Features:
- 1000 V AC (425 – 500 A) and 1500 V AC (10 – 355 A)
- Breaking capacity: 25 kA
- aM acc. to VDE 0636-2011

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3 125A AM AC1000V SBW	3	125	1	NH-SI 3 125A AM AC1000V SBW	**35151-0010**
NH-SI 3 160A AM AC1000V SBW	3	160	1	NH-SI 3 160A AM AC1000V SBW	**35151-0020**
NH-SI 3 200A AM AC1000V SBW	3	200	1	NH-SI 3 200A AM AC1000V SBW	**35151-0030**
NH-SI 3 224A AM AC1000V SBW	3	224	1	NH-SI 3 224A AM AC1000V SBW	**35151-0040**
NH-SI 3 250A AM AC1000V SBW	3	250	1	NH-SI 3 250A AM AC1000V SBW	**35151-0050**
NH-SI 3 315A AM AC1000V SBW	3	315	1	NH-SI 3 315A AM AC1000V SBW	**35151-0070**
NH-SI 3 355A AM AC1000V SBW	3	355	1	NH-SI 3 355A AM AC1000V SBW	**35151-0080**
NH-SI 3 500A AM AC1000V SBW	3	500	1	NH-SI 3 500A AM AC1000V SBW	**35151-0120**

NH Fuse-Links 1000 V / 1500 V TF

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35150-0180

NH Fuse-Links for the back-up protection of mining equipment

Features:
- AC 1000 V
- Breaking capacity: 25 kA
- TF acc. to VDE 0660 and DIN 43620-5

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3 10A TF AC1000V RHB	3	10	1	NH-SI 3 10A TF AC1000V RHB	**35150-0010**
NH-SI 3 16A TF AC1000V RHB	3	16	1	NH-SI 3 16A TF AC1000V RHB	**35150-0020**
NH-SI 3 20A TF AC1000V RHB	3	20	1	NH-SI 3 20A TF AC1000V RHB	**35150-0030**
NH-SI 3 25A TF AC1000V RHB	3	25	1	NH-SI 3 25A TF AC1000V RHB	**35150-0040**
NH-SI 3 35A TF AC1000V RHB	3	35	1	NH-SI 3 35A TF AC1000V RHB	**35150-0050**
NH-SI 3 50A TF AC1000V RHB	3	50	1	NH-SI 3 50A TF AC1000V RHB	**35150-0060**
NH-SI 3 63A TF AC1000V RHB	3	63	1	NH-SI 3 63A TF AC1000V RHB	**35150-0070**
NH-SI 3 80A TF AC1000V RHB	3	80	1	NH-SI 3 80A TF AC1000V RHB	**35150-0080**
NH-SI 3 100A TF AC1000V RHB	3	100	1	NH-SI 3 100A TF AC1000V RHB	**35150-0090**
NH-SI 3 125A TF AC1000V RHB	3	125	1	NH-SI 3 125A TF AC1000V RHB	**35150-0100**
NH-SI 3 160A TF AC1000V RHB	3	160	1	NH-SI 3 160A TF AC1000V RHB	**35150-0110**
NH-SI 3 200A TF AC1000V RHB	3	200	1	NH-SI 3 200A TF AC1000V RHB	**35150-0120**
NH-SI 3 224A TF AC1000V RHB	3	224	1	NH-SI 3 224A TF AC1000V RHB	**35150-0130**
NH-SI 3 250A TF AC1000V RHB	3	250	1	NH-SI 3 250A TF AC1000V RHB	**35150-0140**
NH-SI 3 300A TF AC1000V RHB	3	300	1	NH-SI 3 300A TF AC1000V RHB	**35150-0150**
NH-SI 3 315A TF AC1000V RHB	3	315	1	NH-SI 3 315A TF AC1000V RHB	**35150-0160**
NH-SI 3 355A TF AC1000V RHB	3	355	1	NH-SI 3 355A TF AC1000V RHB	**35150-0170**
NH-SI 3 425A TF AC1000V RHB	3	425	1	NH-SI 3 425A TF AC1000V RHB	**35150-0180**
NH-SI 3 400A TF AC1000V RHB	3	400	1	NH-SI 3 400A TF AC1000V RHB	**35150-0190**



35089-0190

NH Fuse-Links, size 3L, special design

Features:
- AC 1000 V (425 – 500 A), AC 1500 V (6 – 355 A)
- Breaking capacity: 10 kA
- TF acc. to VDE 0660 and DIN 43620-5

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3L 6A TF AC1500V LS	3L	6	1	NH-SI 3L 6A TF AC1500V LS	**35089-0200**
NH-SI 3L 10A TF AC1500V LS	3L	10	1	NH-SI 3L 10A TF AC1500V LS	**35089-0010**
NH-SI 3L 16A TF AC1500V LS	3L	16	1	NH-SI 3L 16A TF AC1500V LS	**35089-0020**
NH-SI 3L 20A TF AC1500V LS	3L	20	1	NH-SI 3L 20A TF AC1500V LS	**35089-0030**
NH-SI 3L 25A TF AC1500V LS	3L	25	1	NH-SI 3L 25A TF AC1500V LS	**35089-0040**
NH-SI 3L 35A TF AC1500V LS	3L	35	1	NH-SI 3L 35A TF AC1500V LS	**35089-0050**
NH-SI 3L 50A TF AC1500V LS	3L	50	1	NH-SI 3L 50A TF AC1500V LS	**35089-0060**
NH-SI 3L 63A TF AC1500V LS	3L	63	1	NH-SI 3L 63A TF AC1500V LS	**35089-0070**
NH-SI 3L 80A TF AC1500V LS	3L	80	1	NH-SI 3L 80A TF AC1500V LS	**35089-0080**
NH-SI 3L 100A TF AC1500V LS	3L	100	1	NH-SI 3L 100A TF AC1500V LS	**35089-0090**
NH-SI 3L 125A TF AC1500V LS	3L	125	1	NH-SI 3L 125A TF AC1500V LS	**35089-0100**
NH-SI 3L 160A TF AC1500V LS	3L	160	1	NH-SI 3L 160A TF AC1500V LS	**35089-0110**
NH-SI 3L 200A TF AC1500V LS	3L	200	1	NH-SI 3L 200A TF AC1500V LS	**35089-0120**
NH-SI 3L 224A TF AC1500V LS	3L	224	1	NH-SI 3L 224A TF AC1500V LS	**35089-0130**
NH-SI 3L 250A TF AC1500V LS	3L	250	1	NH-SI 3L 250A TF AC1500V LS	**35089-0140**
NH-SI 3L 300A TF AC1500V LS	3L	300	1	NH-SI 3L 300A TF AC1500V LS	**35089-0150**
NH-SI 3L 315A TF AC1500V LS	3L	315	1	NH-SI 3L 315A TF AC1500V LS	**35089-0160**
NH-SI 3L 355A TF AC1500V LS	3L	355	1	NH-SI 3L 355A TF AC1500V LS	**35089-0170**
NH-SI 3L 425A TF AC1000V LS	3L	425	1	NH-SI 3L 425A TF AC1000V LS	**35089-0180**
NH-SI 3L 500A TF AC1000V LS	3L	500	1	NH-SI 3L 500A TF AC1000V LS	**35089-0190**

NH Fuse-Links 1000 V / 1500 V TF

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35091-0190

NH Fuse-Links, size 3L, special design

Features:
- 1000 V AC (425 – 500 A) and 1500 V AC (10 – 355 A)
- 10 kA (1500 V AC)/50 kA (1000 V DC)
- TF acc. to VDE 0660 and DIN 43620-5
- Striker pin for fuse monitoring

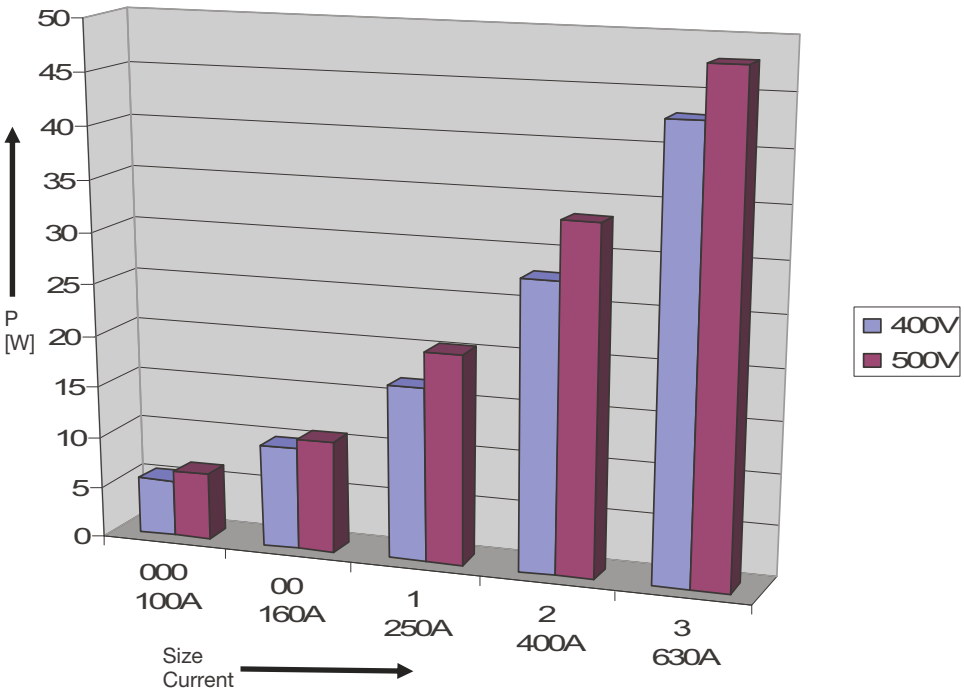
Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3L 10A TF AC1500V SM	3L	10	1	NH-SI 3L 10A TF AC1500V SM	**35091-0010**
NH-SI 3L 16A TF AC1500V SM	3L	16	1	NH-SI 3L 16A TF AC1500V SM	**35091-0020**
NH-SI 3L 20A TF AC1500V SM	3L	20	1	NH-SI 3L 20A TF AC1500V SM	**35091-0030**
NH-SI 3L 25A TF AC1500V SM	3L	25	1	NH-SI 3L 25A TF AC1500V SM	**35091-0040**
NH-SI 3L 35A TF AC1500V SM	3L	35	1	NH-SI 3L 35A TF AC1500V SM	**35091-0050**
NH-SI 3L 50A TF AC1500V SM	3L	50	1	NH-SI 3L 50A TF AC1500V SM	**35091-0060**
NH-SI 3L 63A TF AC1500V SM	3L	63	1	NH-SI 3L 63A TF AC1500V SM	**35091-0070**
NH-SI 3L 80A TF AC1500V SM	3L	80	1	A NH-SI 3L 80A TF AC1500V SM	**35091-0080**
NH-SI 3L 100A TF AC1500V SM	3L	100	1	NH-SI 3L 100A TF AC1500V SM	**35091-0090**
NH-SI 3L 125A TF AC1500V SM	3L	125	1	NH-SI 3L 125A TF AC1500V SM	**35091-0100**
NH-SI 3L 160A TF AC1500V SM	3L	160	1	A NH-SI 3L 160A TF AC1500V SM	**35091-0110**
NH-SI 3L 200A TF AC1500V SM	3L	200	1	NH-SI 3L 200A TF AC1500V SM	**35091-0120**
NH-SI 3L 224A TF AC1500V SM	3L	224	1	NH-SI 3L 224A TF AC1500V SM	**35091-0130**
NH-SI 3L 250A TF AC1500V SM	3L	250	1	NH-SI 3L 250A TF AC1500V SM	**35091-0140**
NH-SI 3L 300A TF AC1500V SM	3L	300	1	NH-SI 3L 300A TF AC1500V SM	**35091-0150**
NH-SI 3L 315A TF AC1500V SM	3L	315	1	NH-SI 3L 315A TF AC1500V SM	**35091-0160**
NH-SI 3L 355A TF AC1500V SM	3L	355	1	NH-SI 3L 355A TF AC1500V SM	**35091-0170**
NH-SI 3L 425A TF AC1000V SM	3L	425	1	A NH-SI 3L 425A TF AC1000V SM	**35091-0180**
NH-SI 3L 500A TF AC1000V SM	3L	500	1	A NH-SI 3L 500A TF AC1000V SM	**35091-0190**

NH Fuse-Links AC 400 V gG

In energy distribution, there is an ever increasing trend toward higher energy density. The number of distribution components such as circuit breakers, fuse switches, fuse bases increases while the size of cabinets keeps become even more compact. However, any cabinet can only handle a limited amount of power but also represents a major cost factor. The main application in energy distribution grids is the 230/400-V range.

Thanks to their significantly lower power dissipation, EFEN's 400-V fuse-links are optimally suited for the requirements of today and also save energy. The twin indicator ensures optimal visibility of the fuse status in all installations.
- Energy-saving design with 400-V fuse element
- Reduced power and heat dissipation
- Twin indicator ensures visibility in all installations

Power dissipation of 400 V and 500 V NH Fuse-Links compared



Annual power saving per fuse-link*

Size	E
Current	[kWh]
NH 000 100A	2,6
NH 00 160A	2,9
NH 1 250A	9,2
NH 2 400A	14,5
NH 3 630A	13,1

* 80% I_n / ½ time

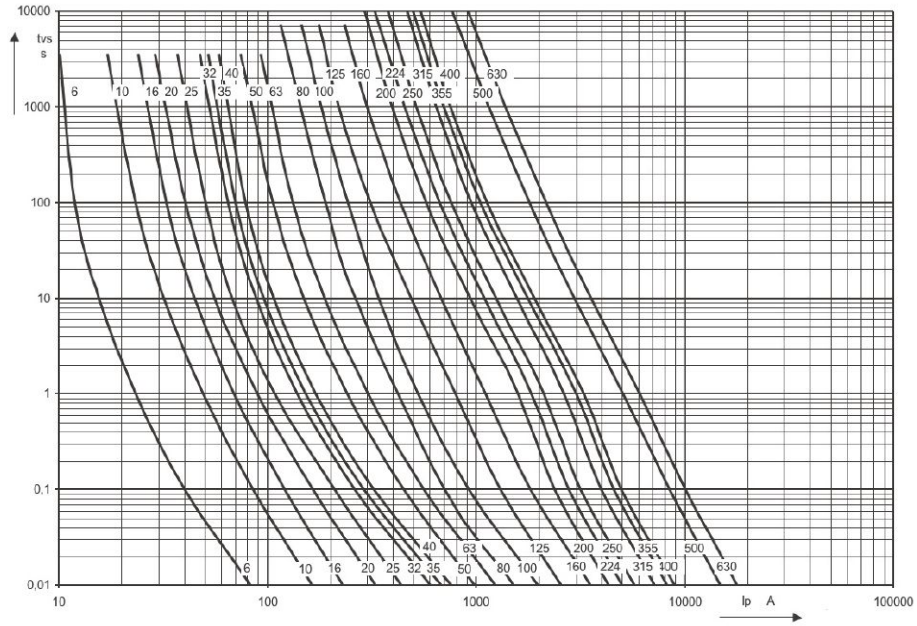
NH Fuse-Links AC 400 V gG

Size	Amps	PU	Non-insulated metal gripping lugs Order no.	Insulated metal gripping lugs Order no.
000	2	3	**35401-0020**	**35406-0020**
000	4	3	**35401-0040**	**35406-0040**
000	6	3	**35401-0060**	**35406-0060**
000	10	3	**35401-0100**	**35406-0100**
000	16	3	**35401-0160**	**35406-0160**
000	20	3	**35401-0200**	**35406-0200**
000	25	3	**35401-0250**	**35406-0250**
000	32	3	**35401-0320**	**35406-0320**
000	35	3	**35401-0350**	**35406-0350**
000	40	3	**35401-0400**	**35406-0400**
000	50	3	**35401-0500**	**35406-0500**
000	63	3	**35401-0630**	**35406-0630**
000	80	3	**35401-0800**	**35406-0800**
000	100	3	**35401-1000**	**35406-1000**
00	125	3	**35402-1250**	**35407-1250**
00	160	3	**35402-1600**	**35407-1600**
1	16	3	**35403-0160**	**35408-0160**
1	20	3	**35403-0200**	**35408-0200**
1	25	3	**35403-0250**	**35408-0250**
1	32	3	**35403-0320**	**35408-0320**
1	35	3	**35403-0350**	**35408-0350**
1	40	3	**35403-0400**	**35408-0400**
1	50	3	**35403-0500**	**35408-0500**
1	63	3	**35403-0630**	**35408-0630**
1	80	3	**35403-0800**	**35408-0800**
1	100	3	**35403-1000**	**35408-1000**
1	125	3	**35403-1250**	**35408-1250**
1	160	3	**35403-1600**	**35408-1600**
1	200	3	**35403-2000**	**35408-2000**
1	224	3	**35403-2240**	**35408-2240**
1	250	3	**35403-2500**	**35408-2500**
2	35	3	**35404-0350**	**35409-0350**
2	50	3	**35404-0500**	**35409-0500**
2	63	3	**35404-0630**	**35409-0630**
2	80	3	**35404-0800**	**35409-0800**
2	100	3	**35404-1000**	**35409-1000**
2	125	3	**35404-1250**	**35409-1250**
2	160	3	**35404-1600**	**35409-1600**
2	200	3	**35404-2000**	**35409-2000**
2	224	3	**35404-2240**	**35409-2240**
2	250	3	**35404-2500**	**35409-2500**
2	315	3	**35404-3150**	**35409-3150**
2	355	3	**35404-3550**	**35409-3550**
2	400	3	**35404-4000**	**35409-4000**
3	250	1	**35405-2500**	**35410-2500**
3	300	1	**35405-3000**	**35410-3000**
3	315	1	**35405-3150**	**35410-3150**
3	400	1	**35405-4000**	**35410-4000**
3	425	1	**35405-4250**	**35410-4250**
3	500	1	**35405-5000**	**35410-5000**
3	630	1	**35405-6300**	**35410-6300**

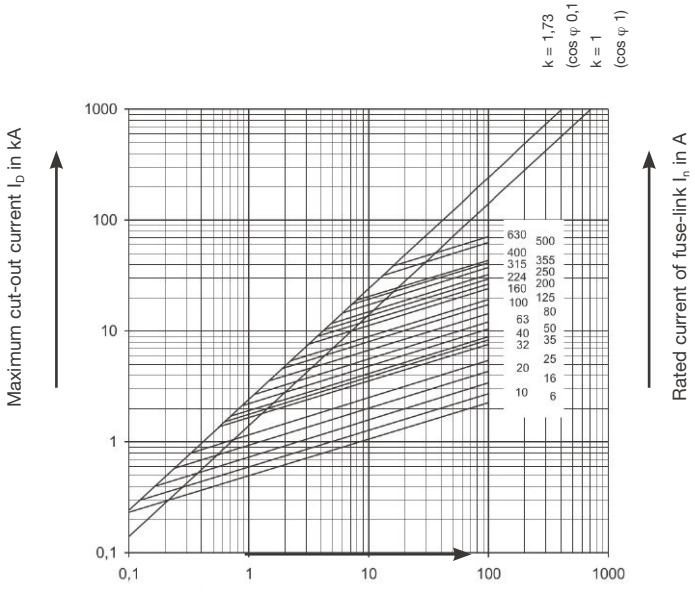
For cable and line protection
Rated voltage: AC 400V
Utilization category: gG acc. to VDE 0636-2 and VDE 60269-2
Application: For cable and line protection
Breaking capacity: 100 kA

NH Fuse-Links AC 400V gG

Time-current characteristics NH Fuse-Links of size 000 – 3, gG, 400 V AC, VDE 0636 part 2 and IEC 60269-2



Cut-out current characteristics NH Fuse-Links size 000 – 3, gG, 400 V AC, VDE 0636 part 2 and IEC 60269-2



I_p acc. to prospective short-circuit current I_k at point of fault (DIN/VDE 0102 part 2)

NH Fuse-Links AC 400V gG

Rated power dissipation P_a in Watts of NH Fuse-Links size 000 – 3, gG, AC 400 V, acc. to VDE 0636 part 2 and IEC 60269-2

I_n A	Size				
	000	00	1	2	3
6	1,7				
10	1,0				
16	1,8				
20	2,0				
25	2,4				
32	2,6				
35	3,2				
40	3,1				
50	3,5		4,5		
63	4,5	4,5	5,7		
80	5,0	5,0	5,5		
100	5,5	5,5	7,0	7,3	
125		8,6	9,1	9,1	
160		9,6	13,0	13,0	
200			13,1	13,5	
224			15,1	15,1	
250			16,9	18,0	
315				19,9	22,7
355				22,7	28,0
400				28,0	
500					30,8
630					43,0

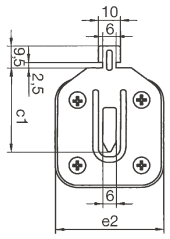
Pre-arcing integrals and operating integrals in A^2s NH Fuse-Links size 000 – 3, gG, AC 400 V, acc. to VDE 0636 part 2 and IEC 60269-2

I_n A	Size									
	000		00		1		2		3	
	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating
6	53	160								
10	115	570								
16	220	1 150								
20	455	2 400								
25	880	3 700								
32	2 450	9 000								
35	3 150	11 500			3 150	11 500	3 150	11 500		
40	3 950	14 000			3 950	14 000	-	-		
50	6 450	22 500			6 450	22 500	6 450	22 500		
63	9 950	35 500	9 950	35 500	9 950	35 500	9 950	35 500		
80	16 950	59 500	16 950	59 500	16 950	59 500	16 950	59 500		
100	28 500	100 300	28 500	100 300	28 500	100 300	28 500	100 300		
125			38 500	139 500	38 500	139 500	38 500	139 500		
160			76 500	279 000	76 500	279 000	76 500	279 000		
200					126 000	458 000	126 000	458 000		
224					171 000	610 000	171 000	610 000		
250					224 000	797 000	224 000	797 000	224 000	797 000
315							353 000	1 221 000	353 000	1 221 000
355							464 000	1 617 000	-	-
400							552 000	1 924 000	552 000	1 924 000
500									1 672 000	4 672 000
630									2 381 000	6 837 000

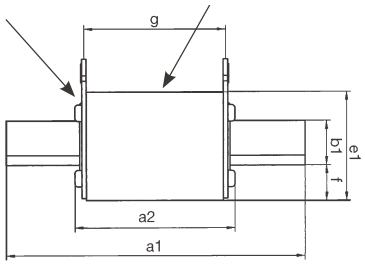
NH Fuse-Links AC 500 V gG

Dimensions acc. t

Indicator 000



Indicator 00 – 4a



Size	Rated current	a_1	a_2	b_1	c_1	e_1	e_2	g
000		78,5	53	15	35	40	21	47
00	max. 160 A	78,5	53	15	35	47	30	47
1	max. 160 A	135	71	15	40	47	30	65
1	200 – 250 A	135	71	20	40	52	40	65
2	max. 250 A	150	72	20	48	52	40	65
2	300 – 400 A	150	72	26	48	60	51	65
3	max. 400 A	150	72	26	60	60	51	65
3	500 – 630 A	150	72	33	60	74	70	65
4a		200	96	50	85	109	98	86

For cable and line protection
Rated voltage: AC 500 V / DC see page 37
Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1, IEC 60269-1, IEC 60269-2
Application: For cable and line protection
Breaking capacity: 120 kA (AC 500 V) / DC see page 37

Electrical characteristics:
The time/current characteristics are matched to the cable and line capacities. Accordingly, the lines protected can be operated at optimal load as the breaking in case of overload is slow, but quick in the event of a short-circuit.
Even if devices of different brands are used that comply with the specifications, the definition of time-current ranges for category gG according to VDE 0636 and IEC 60269 ensures a selectivity of 1:1.6 at rated currents of ≥ 16 Amps.

Size	Amps	PU	Non-insulated metal gripping lugs Order no.	Insulated plastic gripping lugs Order no.	Insulated metal gripping lugs Order no.
000	2	3	35000-0020	35001-0020	
000	4	3	35000-0040	35001-0040	
000	6	3	35000-0060	35001-0060	
000	10	3	35000-0100	35001-0100	
000	16	3	35000-0160	35001-0160	
000	20	3	35000-0200	35001-0200	
000	25	3	35000-0250	35001-0250	
000	32	3	35000-0320	35001-0320	
000	35	3	35000-0350	35001-0350	
000	40	3	35000-0400	35001-0400	
000	50	3	35000-0500	35001-0500	
000	63	3	35000-0630	35001-0630	
000	80	3	35000-0800	35001-0800	
000	100	3	35000-1000	35001-1000	
00	2	3	35011-0010		35165-0010
00	4	3	35011-0020		35165-0020
00	6	3	35011-0030		35165-0030
00	10	3	35011-0040		35165-0040
00	16	3	35011-0050		35165-0050
00	20	3	35011-0060		35165-0060
00	25	3	35011-0070		35165-0070
00	32	3	35011-0080		35165-0080
00	35	3	35011-0090		35165-0090
00	40	3	35011-0100		35165-0100
00	50	3	35011-0110		35165-0110
00	63	3	35011-0120		35165-0120
00	80	3	35011-0130		35165-0130
00	100	3	35011-0140		35165-0140
00	125	3	35011-0150		35165-0150
00	160	3	35011-1090		35165-0160
1	25	3	35035-0050		35204-0050
1	32	3	35035-1220		35204-0160
1	35	3	35035-0060		35204-0060
1	40	3	35035-1230		35204-0170
1	50	3	35035-0070		35204-0070
1	63	3	35035-0080		35204-0080
1	80	3	35035-0090		35204-0090
1	100	3	35035-0100		35204-0110
1	125	3	35035-0110		35204-0110
1	160	3	35035-0120		35204-0120
1	200	3	35035-0130		35204-0130
1	224	3	35035-0140		35204-0140
1	250	3	35035-0150		35204-0150

NH Fuse-Links AC 500 V gG

Size	Amps	PU	Non-insulated metal gripping lugs Order no.	Insulated metal gripping lugs Order no.
2	25	3	**35054-0010**	
2	35	3	**35054-0020**	
2	50	3	**35054-0030**	
2	63	3	**35054-0040**	**35116-0040**
2	80	3	**35054-0050**	**35116-0050**
2	100	3	**35054-0060**	**35116-0060**
2	125	3	**35054-0070**	**35116-0070**
2	160	3	**35054-0080**	**35116-0080**
2	200	3	**35054-0090**	**35116-0090**
2	224	3	**35054-0100**	**35116-0100**
2	250	3	**35054-0110**	**35116-0110**
2	(300)	3	**35054-0120**	**35116-0120**
2	315	3	**35054-0130**	**35116-0130**
2	(355)	3	**35054-0140**	**35116-0140**
2	400	3	**35054-0150**	**35116-0150**
3	63	3	**35078-0340**	**35420-1000**
3	80	3	**35078-0350**	**35420-1250**
3	100	3	**35078-0360**	**35420-1600**
3	125	3	**35078-0370**	**35420-2000**
3	160	3	**35078-0380**	**35420-2240**
3	200	3	**35078-0390**	**35420-2500**
3	224	3	**35078-0400**	**35420-3000**
3	250	3	**35078-0410**	**35420-3150**
3	(300)	3	**35078-0190**	**35420-3550**
3	315	3	**35078-0010**	**35420-4000**
3	(355)	3	**35078-0020**	**35420-4250**
3	400	3	**35078-0030**	**35420-5000**
3	(425)	3	**35078-0040**	**35420-6300**
3	500	3	**35078-0050**	
3	630	3	**35078-0060**	
4a	400	1	**35097-0120**	
4a	500	1	**35097-0010**	
4a	630	1	**35097-0020**	
4a	800	1	**35097-0030**	
4a	1000	1	**35097-0040**	
4a	1250	1	**35097-0050**	
4a	1600	1	**35097-0110**	

( ) = Dimensions according to DIN, rated current not standardized in VDE 0636

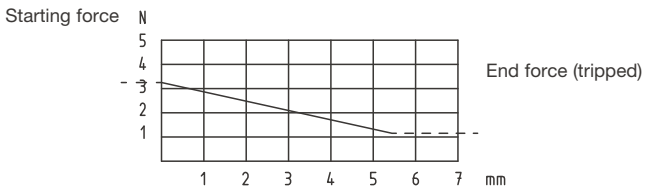
Breaking capacity DC 500 V gG fuses:

Size 000: 40 kA, 250 V DC
Size 00: 40 kA, 250V DC
Size 1: 40 kA, 250 V DC
80 kA, 400 V DC
Size 2: 40 kA, 250 V DC
80 kA, 440 V DC
Size 3: 40 kA, 250 V DC
80 kA, 400 V DC
Size 4a: 80 kA, 440 V DC

NH Fuse-Links size 00 with striker

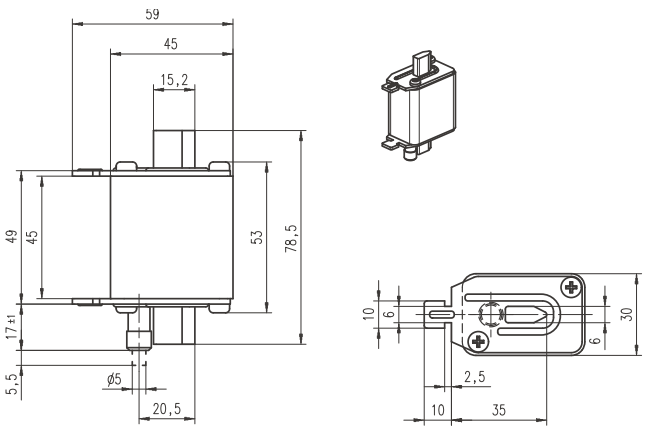
In combination with a micro switch, EFEN NH fuse-links size 00 with striker can be used for fuse monitoring.

Force-distance diagram of the striker



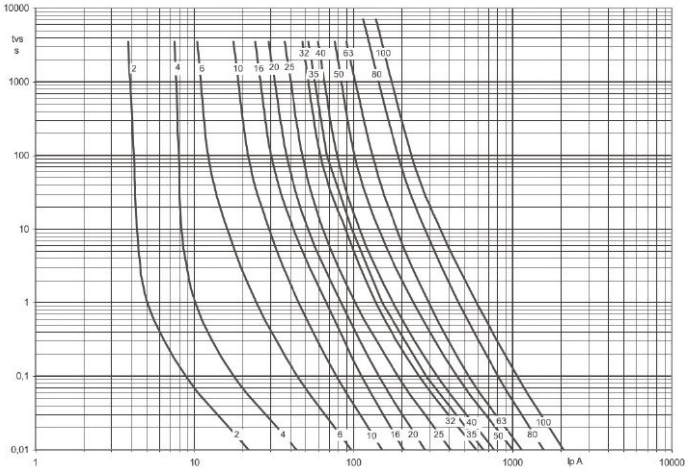
NH Fuse-Links for cable and line protection size 00, 500 V AC, utilization category gL/gG, with striker

Amps	Designation	Order no.
6	NH-Si 00 6A gL SM	**35207-0010**
10	NH-Si 00 10A gL SM	**35207-0020**
16	NH-Si 00 16A gL SM	**35207-0030**
20	NH-Si 00 20A gL SM	**35207-0040**
25	NH-Si 00 25A gL SM	**35207-0050**
32	NH-Si 00 32A gL SM	**35207-0060**
35	NH-Si 00 35A gL SM	**35207-0070**
40	NH-Si 00 40A gL SM	**35207-0080**
50	NH-Si 00 50A gL SM	**35207-0090**
63	NH-Si 00 63A gL SM	**35207-0100**
80	NH-Si 00 80A gL SM	**35207-0110**
100	NH-Si 00 100A gL SM	**35207-0120**
125	NH-Si 00 125A gL SM	**35207-0130**

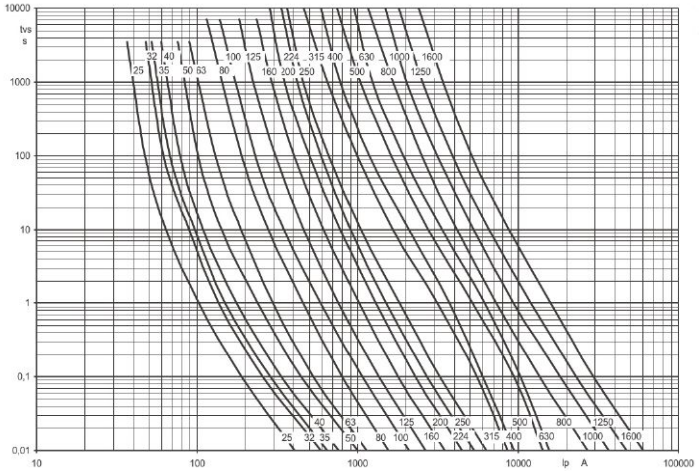


NH Fuse-Links AC 500 V gG

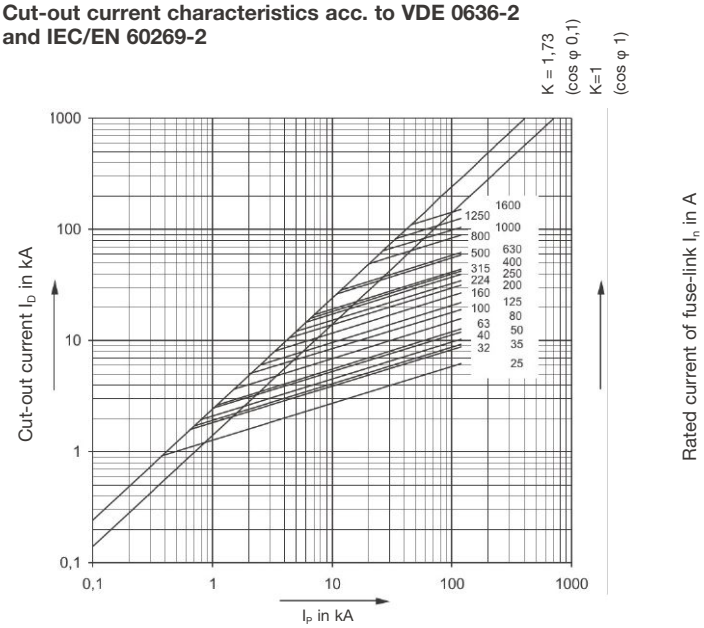
For cable and line protection
Time-current characteristics NH Fuse-Links size 000 acc. to VDE 0636-2 and IEC/EN 60269-2



Time-current characteristics NH Fuse-Links size 00 – 4a gG 500 V AC acc. to VDE 0636-2 and IEC/EN 60269-2



Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



I_p acc. to prospective short-circuit current I_k at point of fault (DIN/VDE 0102 part 2)

NH Fuse-Links AC 500 V gG

Rated power dissipation P_W warm NH Fuse-Links size 000 – 4a gG AC 500 V acc. to VDE 0636-2 and IEC/EN 60269-2

I_n	Size					
A	000	00	1	2	3	4a
6	1,6					
10	1,1					
16	1,8		1,8			
20	2,3		2,3			
25	2,4	2,4	2,4			
32	3,1	3,1	3,1			
35	3,0	3,0	3,0			
40	3,7	3,7	3,7			
50	4,1	4,1	4,1	4,1		
63	5,4	5,6	6,6	6,8		
80	6,5	6,8	8,0	8,3		
100	7,5	7,5	9,4	10,7		
125		10,0	11,8	12,2		
160		12,0	14,6	15,0		
200			18,0	18,5		
224			19,0	19,2	20,0	
250			20,0	20,6	21,1	
315				25,0	25,0	
355				31,5	32,0	
400				28,5	34,0	31,2
500					43,0	36,5
630					43,1	44,4
800						68,0
1000						72,9
1250						100,5
1600						126,2

Pre-arcing integrals and operating integrals in A²s of NH Fuse-Links size 000 – 4a, gG, AC 500 V, acc. to VDE 0636-2 and IEC/EN 60269-2

I_n	Size											
A	000		00		1		2		3		4a	
	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating	Pre-arcing	Operating
6	53,6	280										
10	109	490										
16	199	890										
20	430	1930										
25	890	4010	890	4010	990	4010	990	4010				
32	2475	6900	2475	6900	2475	6900	2475	6900				
35	2990	8380	2990	8380	2990	8380	2990	8380				
40	3970	10100	3970	10100	3970	10100	3970	10100				
50	6330	16150	6330	16150	6330	16150	6330	16150				
63	7430	20800	7430	20800	7430	20800	7430	20800	7430	20800		
80	14250	39900	14250	39900	14250	39900	14250	39900	14250	39900		
100	25340	70900	25340	70900	25340	71000	25340	71000	25340	71000		
125			39600	110800	39600	111000	39600	111000	39600	111000		
160			70400	197100	70400	197100	70400	197100	70400	197100		
200					114400	320000	114400	320000	114400	320000		
224					158400	444000	158400	444000	158400	444000		
250					228000	639000	228000	639000	228000	639000		
315							275900	773000	275900	773000		
355							356400	998000	356400	998000		
400							431200	1207000	431200	1207000	610500	927000
500									766600	2147000	1025 10^3	1618 10^3
630									912300	3013000	1767 10^3	2600 10^3
800											3499 10^3	5449 10^3
1000											5878 10^3	8708 10^3
1250											12164 10^3	18676 10^3
1600											20347 10^3	31278 10^3

NH Fuse-Links 500 V AC gL

For cable and line protection in meshed main systems
(ageing-resistant)
Rated voltage: AC 500 V
Utilization category: gL/gG acc. to VDE 0636-21 and IEC 60269-2
Application: For cable and line protection
Breaking capacity: 120 kA (size 00 – 2)

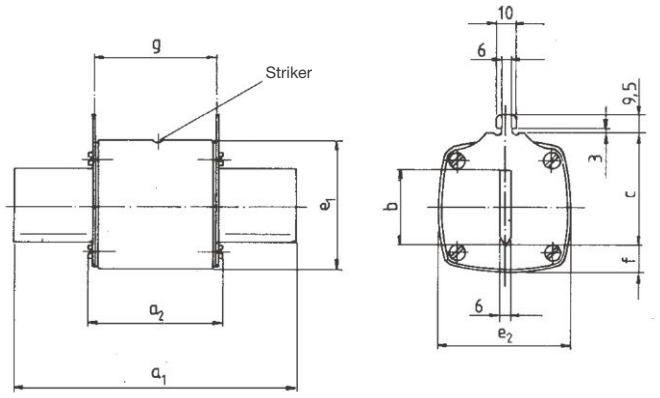
Electrical characteristics
The time/current characteristics are matched to the cable and line capacities. Accordingly, the lines protected can be operated at optimal load as the breaking in case of overload is slow, but quick in the event of a short-circuit.

Even if devices of different brands are used that comply with the specifications, the definition of time-current ranges for category gL/gG acc. to VDE 0636 and IEC 60269-2 ensures a selectivity of 1:1.6. EFEN 500 V gL/gG fuse-links used in a 400 V grid have a selectivity of 1:1.25 for rated currents ≥ 16 A, i.e. between the increments of the rated currents.

EFEN PURE SILVER NH fuse-links 500 V gL/gG are specifically suited for use in meshed mains systems and show a selectivity factor of 0.79 when used in 400 V grids. Accordingly, if the maximum partial short-circuit current does not exceed 79% of the total short-circuit current, only the fuse-link closest to the failure point will be tripped. Thanks to the pure silver fuse element, this favourable factor is maintained throughout the component's entire service life.

Note: When used in meshed main systems, standard indicators do usually not respond reliably because of the low differential voltages. Please inquiry for a solution by EFEN.

Dimensions: DIN 43620-1



Size	a_1	a_2	b	c	e_1	e_2	f	g
00[1]	78,5	53	15	35	40	28	12,5	47
0	125	67	15	35	38	35	11,5	65
1[2]	135	74	20	40	38	35	9	65
1[3]	135	74	24,5	40	45	45	10	65
2[4]	150	74	25	48	45	45	10	65
2[5]	150	72	30	48	59	59	14,5	65
3[6]	150	72	40	60	70	70	15	65

[1] Rated current up to 160 A
[2]) Rated current up to 125 A
[3] Rated current 160 – 250 A
[4] Rated current up to 250 A
[5] Rated current 300 – 400 A
[6] Rated current up to 630 A

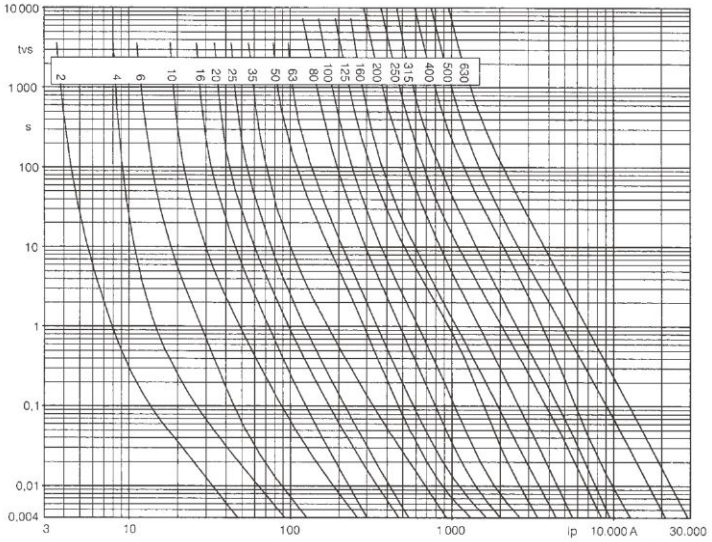
Rated power dissipation in Watts NH Fuse-Links
Size 00 – 3 gL AC 500 V VDE 0636-2 and IEC/EN 60269-2

I_n	Size			
A	**00**	**1**	**2**	**3**
2	0,25			
4	0,5			
6	1,0			
10	1,5			
16	1,9			
20	2,0			
25	2,2			
35	3,0			
50	3,75			
63	4,5			
80	4,8			
100	5,8			
125	8,8			
160	9,7			
200		15,7		
224		15,8		
250		16,4		
315			24,3	
355			26,2	
400			28,1	
500				33,0
630				42,0

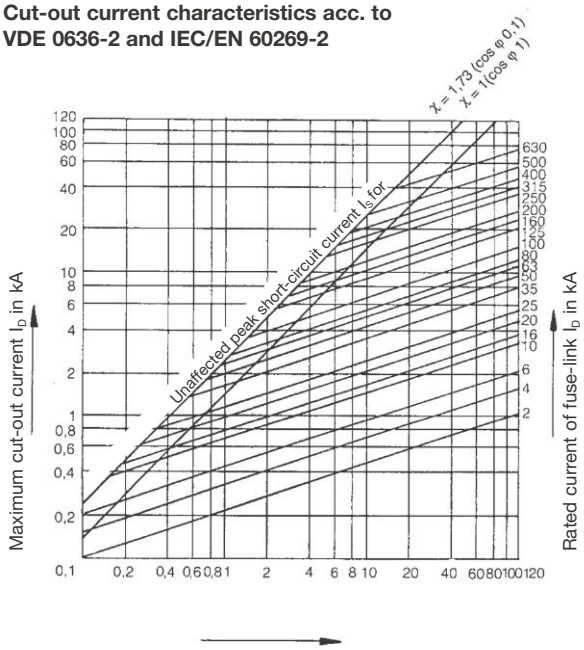
Breaking capacity DC 500 V gL
Size 00: 35 kA, 250V DC
Size 1: 35 kA, 440 V DC
Size 2: 35 kA, 440 V DC

NH Fuse-Links 500 V AC gL

Time-current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2

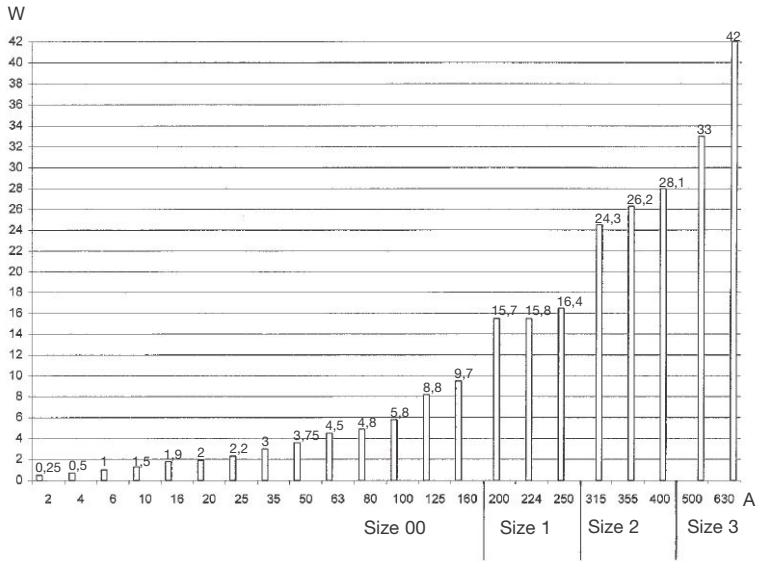


Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2

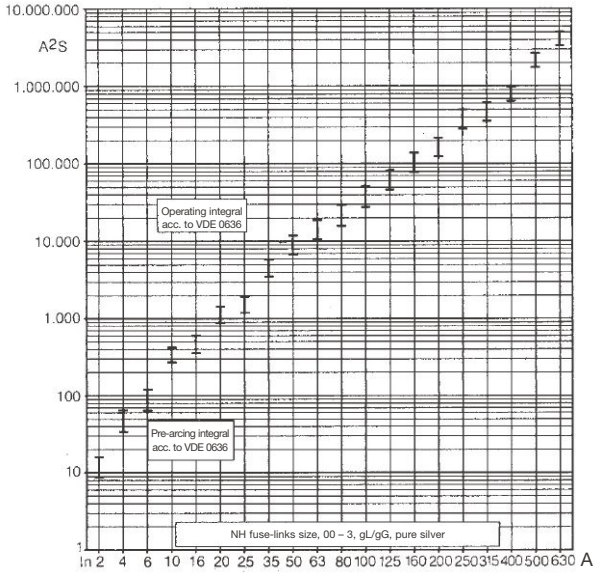


I_p acc. to prospective short-circuit current I_K at point of fault (DIN/VDE 0102 part 2)

Rated power dissipation acc. to VDE 0636-2 and IEC/EN 60269-2



Pre-arcing and operating integrals acc. to VDE 0636-2 and IEC/EN 60269-2



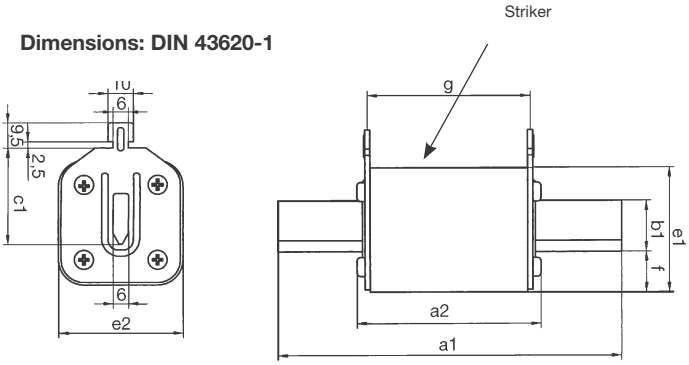
NH Fuse-Links AC 690 V gG

For cable and line protection
Rated voltage: AC 690 V
Utilization category: gG acc. to VDE 0636-2 and VDE 0636-1, IEC 60269-2, IEC 60269-1
Application: For cable and line protection
Breaking capacity: 100 kA (630 A, 50 kA)

Size	Amps	PU	Metal gripping lugs Order no.
000	2	3	35421-0020
000	4	3	35421-0040
000	6	3	35421-0060
000	10	3	35421-0100
000	16	3	35421-0160
000	20	3	35421-0200
000	25	3	35421-0250
000	32	3	35421-0320
000	35	3	35421-0350
000	40	3	35421-0400
000	50	3	35421-0500
000	63	3	35421-0630
000	80	3	35422-0800
000	100	3	35422-1000
000	125	3	35422-1250
1	25	3	35423-0250
1	32	3	35423-0320
1	35	3	35423-0350
1	40	3	35423-0400
1	50	3	35423-0500
1	63	3	35423-0630
1	80	3	35423-0800
1	100	3	35423-1000
1	125	3	35423-1250
1	160	3	35423-1600
1	200	3	35423-2000
1	250	3	35423-2500
2	25	3	35424-0250
2	35	3	35424-0350
2	50	3	35424-0500
2	63	3	35424-0630
2	80	3	35424-0800
2	100	3	35424-1000
2	125	3	35424-1250
2	160	3	35424-1600
2	200	3	35424-2000
2	250	3	35424-2500
2	315	3	35424-3150
2	355	3	35424-3550
2	400	3	35424-4000
3	80	3	35425-0800
3	100	3	35425-1000
3	125	3	35425-1250
3	160	3	35425-1600
3	200	3	35425-2000
3	224	3	35425-2240
3	250	3	35425-2500
3	315	3	35425-3150
3	355	3	35425-3550
3	400	3	35425-4000
3	425	3	35425-4250
3	500	3	35425-5000
3	630	3	35425-6300

Electrical characteristics:
The time/current characteristics are matched to the cable and line capacities. Accordingly, the lines protected can be operated at optimal load as the breaking in case of overload is slow, but quick in the event of a short-circuit.

Dimensions: DIN 43620-1



Size	Rated current	a_1	a_2	b_1	c_1	e_1	e_2	g
000	6-63 A	78,5	53	15	35	37	21	47
00	80-100 A	78,5	53	15	35	45	30	47
1	25-160 A	135	70	15	40	45	30	65
1	200-250 A	135	70	20	40	50	50	65
2	25-250 A	150	71	20	48	50	50	65
2	315-400 A	150	71	26	48	58	58	65
3	63-400 A	150	71	26	60	58	58	65
3	500 A, 630 A	150	74	32	60	71	71	65

Rated power dissipation P_a in Watts NH Fuse-Links size 000 – 3 gG AC 690 V VDE 0636-2 IEC 60269-2

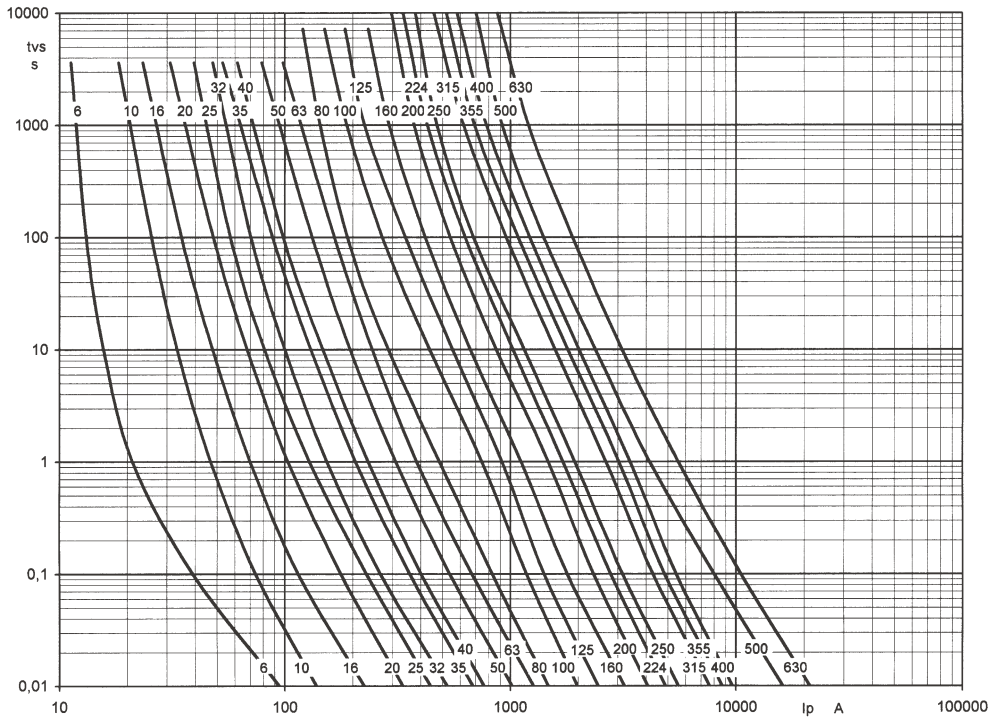
I_n A	Size 000	00	1	2	3
2	1,9				
4	1,5				
6	1,6				
10	1,7				
16	2,5				
20	2,6				
25	2,8		3,6		
32	3,1		3,7		
35	3,2		3,9	3,7	
40	3,7		4,4	4,4	
50	4,1		4,8	5,4	
63	5,4		6,6	6,8	
80		6,8	8,0	8,3	
100		7,5	9,4	10,7	
125		10,0	11,8	12,2	
160			14,6	15,5	
200			19,0	19,0	
224			-	-	
250			22,0	22,0	21,1
315				27,0	25,0
355				32,0	32,0
400					34,0
500					43,0
630					52,0

( ) = Dimensions according to DIN, rated current not standardized in VDE 0636

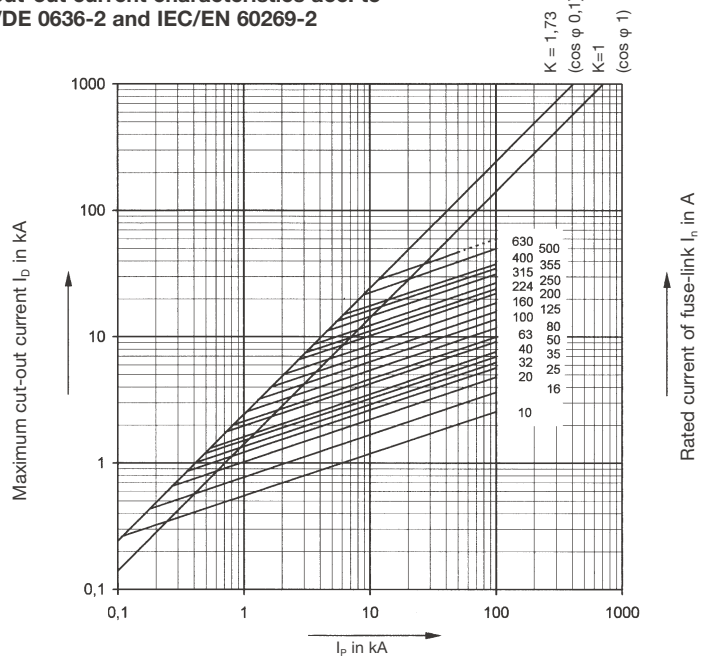
NH Fuse-Links AC 690 V gG

For cable and line protection

Time-current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



I_p acc. to prospective short-circuit current I_k at point of fault (DIN/VDE 0102 part 2)

Breaking capacity of DC 690 V gG fuses:
Size 000: 40 kA, 250 V DC
Size 00: 40 kA, 250 V DC
Size 1: 80 kA, 440 V DC
Size 2: 40 kA, 250 V DC
80 kA, 440 V DC
Size 3: 40 kA, 250 V DC
80 kA, 400 V DC

NH Fuse-Links AC 400 V gTr

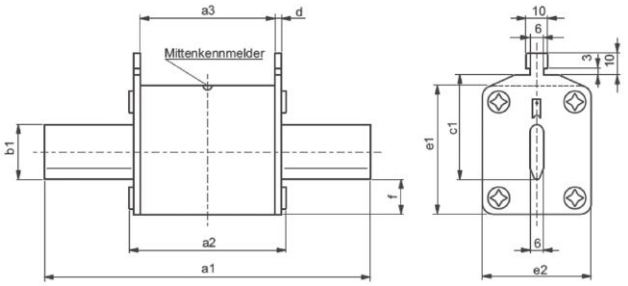
For transformer protection
Rated voltage: AC 400 V
Utilization category: gTr acc. to VDE 0636-2011
Application: For transformer protection
Breaking capacity: 100 kA

Size	Amps	kVA	PU	Metal gripping lugs Order no.
2	(72)	50	3	**35076-1010**
2	(108)	75	3	**35076-1020**
2	(144)	100	3	**35076-1030**
2	(180)	125	3	**35076-1040**
2	(231)	160	3	**35076-1050**
2	(289)	200	3	**35076-1060**
2	(361)	250	3	**35076-1070**
3	(144)	100	3	**35081-1040**
3	(231)	160	3	**35081-1060**
3	(289)	200	3	**35081-1050**
3	(361)	250	3	**35081-1010**
3	(455)	315	3	**35081-1020**
3	(577)	400	3	**35081-1030**
3	(722)	500	3	**35081-0100**
3	(909)	630	3	**35081-0110**
4a	(144)	100	1	**35100-0100**
4a	(231)	160	1	**35100-0110**
4a	(289)	200	1	**35100-0160**
4a	(361)	250	1	**35100-0120**
4a	(455)	315	1	**35100-0170**
4a	(577)	400	1	**35100-0130**
4a	(722)	500	1	**35100-0140**
4a	(909)	630	1	**35100-0150**
4a	(1155)	800	1	**35100-0040**
4a	(1443)	1000	1	**35100-0190**

( ) = Dimensions according to DIN, rated current not standardized in VDE 0636

Electrical characteristics:
Time-current characteristics are matched to the thermal capacity of the transformers and the time-current characteristics of the high-voltage fuse-links. The gTr fuse-link supplements the high-voltage fuse-link in the “non-permissible” overcurrent range. This allows a better utilization of the transformers‘ overload capacities. EFEN transformer fuse-links are able to carry the 1.3-fold of the transformer rated current for a minimum period of 10 hours. The fuse-link trips at the 1.5-fold transformer rated current within a period of 2 hours. Transformer fuse-links are designated in accordance with the transformer rated current in kVA.

Dimensions: DIN 43620-1



NH Fuse-Links AC 400 V gTr with non-insulated gripping lugs

Size	Rated current	a1	a2	a3	d	b1	c1	e1	e2	f
2/	50 – 160 kVA	150	72	62	2,5	20	48	48	40	12
2	200 – 250 kVA	150	72	62	2,5	25	48	59	50	14
3/	100 – 250 kVA	150	73	62	2,8	25	60	59	50	13
3	315 – 630 kVA	150	73	62	2,8	32	60	71	71	17
4a/	100 – 400 kVA	200	96	84	3	32	85	71	73	18
4	500 – 1000 kVA	200	96	84	4	50	85	109	98	27

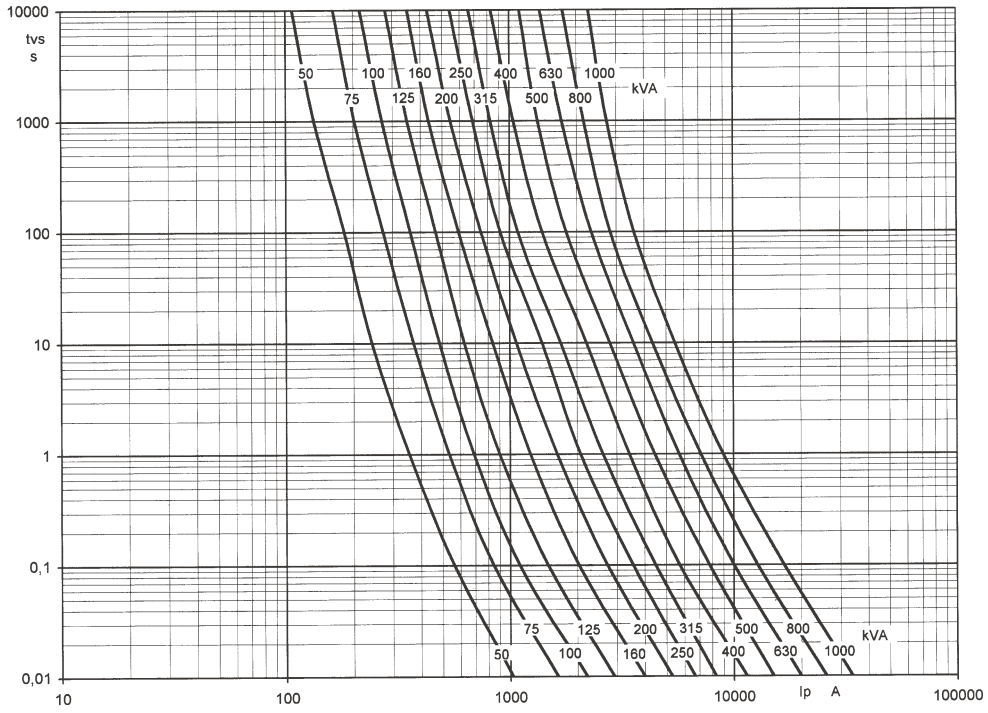
Rated power dissipation P_a in Watts of NH Fuse-Links size 2 – 4a gTr AC 400 V VDE 0636 part 2011

Transformer rated output	Rated current	Size		
		2	**3**	**4a**
50	72	5,5	5,5	
75	102	7,8	7,8	
100	144	10,6	10,1	12,0
125	180	12,8	12,8	15,0
160	231	15,7	16,2	14,8
200	289	16,0	16,0	22,5
250	361	21,0	20,6	28,0
315	455	25,0	25,0	31,5
400	577		31,0	39,0
500	722		53,0	49,0
630	909		62,0	66,0
800	1155			81,0
1000	1443			110,0

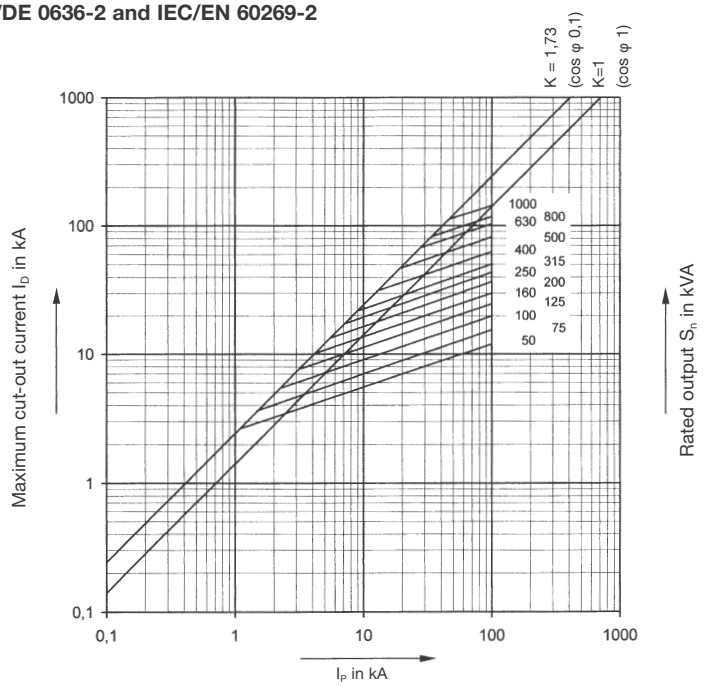
NH Fuse-Links AC 400 V gTr

For transformer protection

Time-current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



I_p acc. to prospective short-circuit current I_k at point of fault (DIN/VDE 0102 part 2)

NH Fuse-Links AC 500 V gR

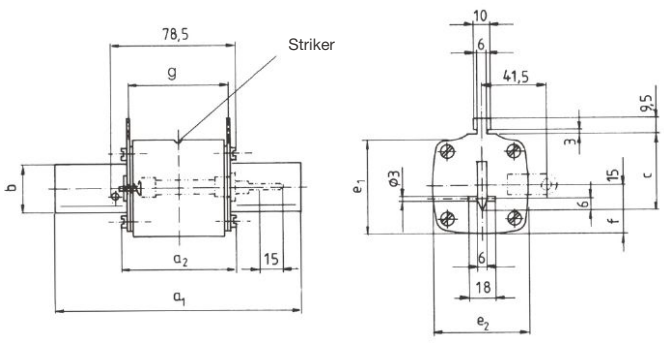
For semiconductor protection – pure silver fuse element
Rated voltage: AC 500 V
Utilization category: gR acc. to VDE 0636-4
Application: For semiconductor protection
Breaking capacity: 120 kA

Without striker

Size	Amps	PU	Metal gripping lugs Order no.
00	16	3	**35024-0180**
00	20	3	**35024-0170**
00	25	3	**35024-0190**
00	35	3	**35024-0010**
00	40	3	**35024-0020**
00	50	3	**35024-0030**
00	63	3	**35024-0040**
00	80	3	**35024-0050**
00	100	3	**35024-0060**
00	125	3	**35024-0070**
00	160	3	**35024-0080**
1	35	3	**35040-0010**
1	50	3	**35040-0020**
1	63	3	**35040-0030**
1	80	3	**35040-0040**
1	100	3	**35040-0050**
1	125	3	**35040-0060**
1	160	3	**35040-0070**
1	200	3	**35040-0080**
1	(224)	3	**35040-0090**
1	250	3	**35040-0100**
2	80	3	**35058-0010**
2	100	3	**35058-0020**
2	125	3	**35058-0030**
2	160	3	**35058-0040**
2	200	3	**35058-0050**
2	(224)	3	**35058-0060**
2	250	3	**35058-0070**
2	(300)	3	**35058-0080**
2	315	3	**35058-0090**
2	(355)	3	**35058-0100**
2	400	3	**35058-0110**
3	315	1	**35079-0010**
3	(355)	1	**35079-0020**
3	400	1	**35079-0030**
3	(425)	1	**35079-0040**
3	500	1	**35079-0050**
3	630	1	**35079-0060**

( ) = Dimensions according to DIN,
rated current not standardized in VDE 0636

Dimensions: DIN 43620-1



Electrical characteristics:
EFEN NH fuse-links for semiconductor protection feature the following properties:
1. ultra-quick time-current characteristics adjusted to protection requirements
2. a low arc voltage characteristic with low overvoltage

EFEN gR fuse-links may be used as full-range fuses for overload and short-circuit protection or in conjunction with other overcurrent protection devices to provide short-circuit protection only.

Variant with striker:
A spring-loaded striker pin is provided in parallel with the fuse-link. When the NH fuse-link trips, the striker pin is released, actuating the micro-switch on the NH fuse-base.

With striker

Size	Amps	PU	Metal gripping lugs Order no.
00	16	3	**35218-0010**
00	20	3	**35218-0020**
00	25	3	**35218-0030**
00	35	3	**35218-0040**
00	40	3	**35218-0050**
00	50	3	**35218-0060**
00	63	3	**35218-0070**
00	80	3	**35218-0080**
00	100	3	**35218-0090**
00	125	3	**35218-0100**
1	35	1	**35046-0010**
1	50	1	**35046-0020**
1	63	1	**35046-0030**
1	80	1	**35046-0040**
1	100	1	**35046-0050**
1	125	1	**35046-0060**
1	160	1	**35046-0070**
1	200	1	**35046-0080**
1	(224)	1	**35046-0090**
1	250	1	**35046-0100**
2	80	1	**35060-0050**
2	100	1	**35060-0060**
2	125	1	**35060-0070**
2	160	1	**35060-0080**
2	200	1	**35060-0090**
2	(224)	1	**35060-0100**
2	250	1	**35060-0110**
2	(300)	1	**35060-0120**
2	(315)	1	**35060-0130**
2	355	1	**35060-0140**
2	400	1	**35060-0150**
3	315	1	**35086-0010**
3	(355)	1	**35086-0020**
3	400	1	**35086-0030**
3	(425)	1	**35086-0040**
3	500	1	**35086-0050**
3	630	1	**35086-0060**

Size	a_1	a_2	b	c	e_1	e_2	f	g
00	78,5	53	15	35	40	28	12,5	47
0	125	67	15	35	38	35	11,5	65
1	135	71	24,5	40	45	45	10	65
2	150	72	30	48	59	59	14,5	65
3	150	72	40	60	70	70	15	65

NH Fuse-Links AC 500 V gR

Rated power dissipation in Watts of NH Fuse-Links size 00 – 3 gR AC 500 V VDE 0636-4

I_n	Size			
A	**00**	**01**	**2**	**3**
16	6,0			
20	7,2			
25	8,0			
35	9,6	12,6		
50	12,0	14,0		
63	14,0	17,2		
80	17,7	21,2	20,0	
100	25,7	27,5	27,1	
125	29,7	31,2	29,7	
160	45,3	38,0	35,5	
200		46,0	43,9	
224		56,9	51,9	
250		65,0	56,8	
300			**67,7**	
315			68,7	67,7
355			80,6	77,5
400			91,6	88,5
425				97,2
500				115,7
630				168,3

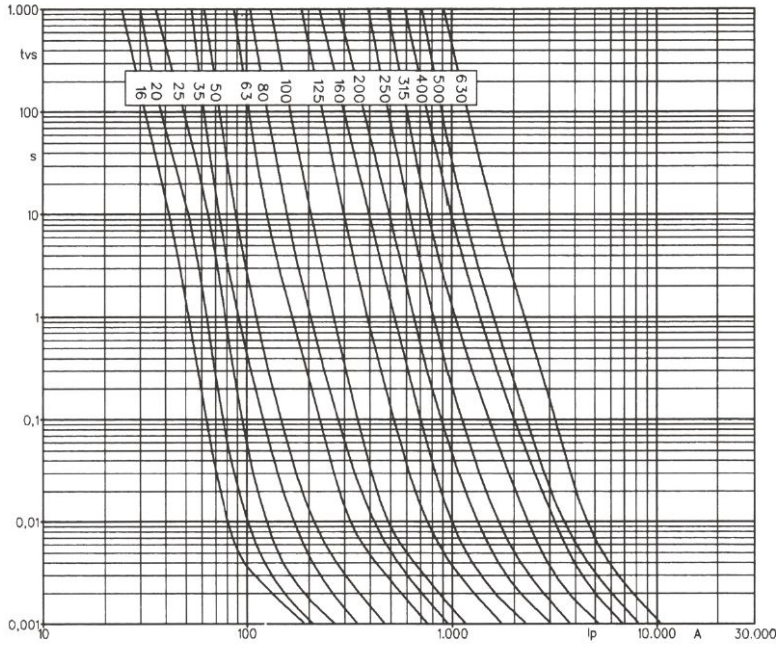
Breaking capacity DC 500 V gR

Size 00: 25 kA, 240 V DC
Size 1: 25 kA, 440 V DC
Size 2: 25 kA, 440 V DC
Size 3: 25 kA, 440 V DC

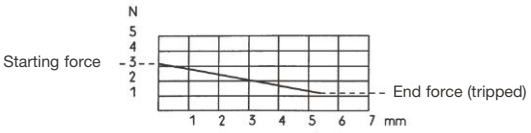
NH Fuse-Links AC 500 V gR

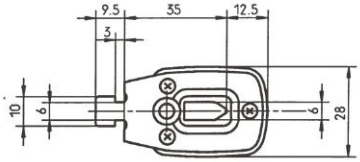
For semiconductor protection – pure silver fuse element

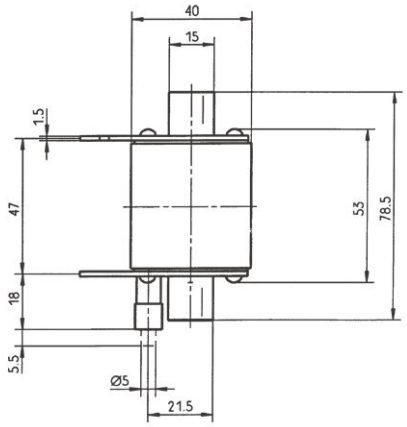
Time-current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



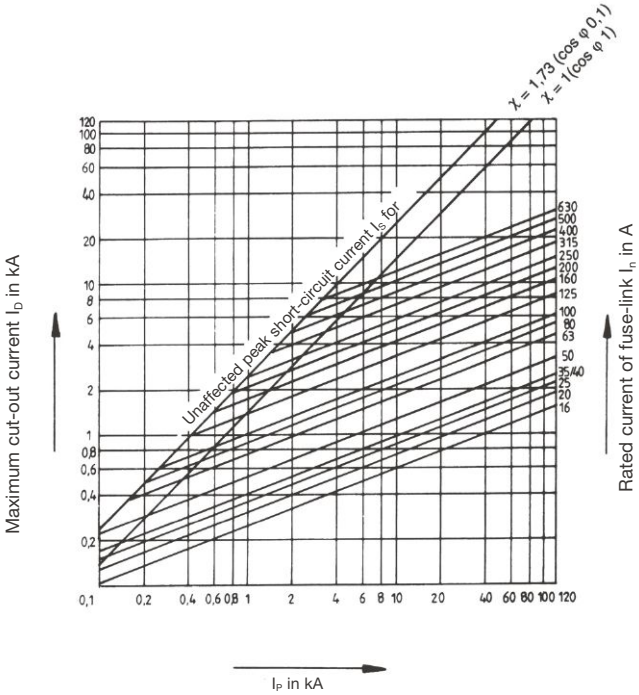
Force-distance diagram of the striker





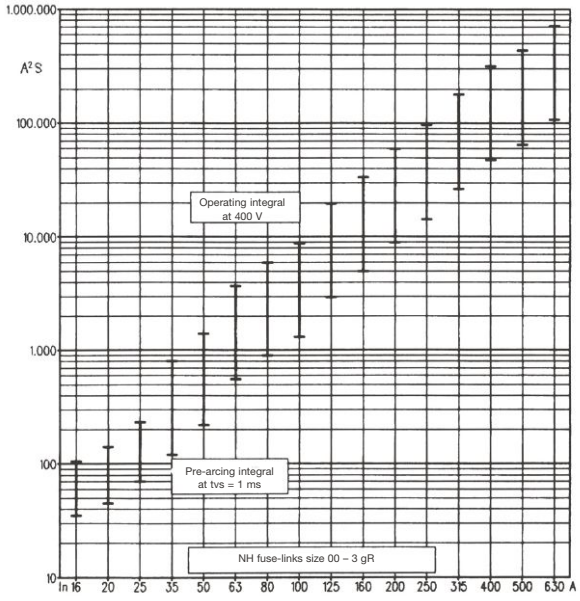


Cut-out current characteristics acc. to VDE 0636-2 and IEC/EN 60269-2



Ip acc. to prospective short-circuit current Ik at point of fault (DIN / VDE 0102 part 2)

Pre-arcing and operating integrals acc. to VDE 0636-2 and IEC/EN 60269-2



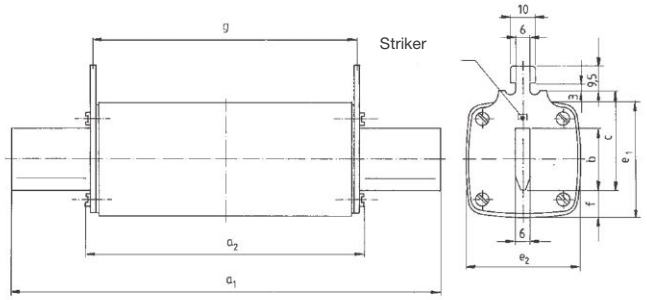
NH Fuse-Links 1000 V / 1500 V

For mining equipment protection – pure silver fuse element
(ageing-resistant)
Rated voltage: AC 1000 V
Utilization category: gB and aM acc. to VDE 0636-2011
Application: gB – full-range protection of mining equipment
aM – back-up protection for mining equipment
Breaking capacity: 25 kA

Size	a_1	a_2	b	c	e_1	e_2	f	g
1L	170	105,5	24,5	40	45	45	10	105,5
3	167,5	92,5	32	60	72	72	15	80,5

Electrical characteristics:
1. NH fuse-links of utilization category gB
2. NH fuse-links of utilization category aM provide back-up protection for switchgear devices. They protect switchgear devices in the event of short-circuits. When combined with overcurrent protection devices, they provide optimal protection to downstream motors and devices. The PURE SILVER fuse elements ensure that the NH fuse-links resist ageing while retaining their selectivity.

EFEN NH fuse-links of utilization categories aM respond quickly in case of short-circuits but are not tripped by overcurrent as this function is performed by other overcurrent protection devices.

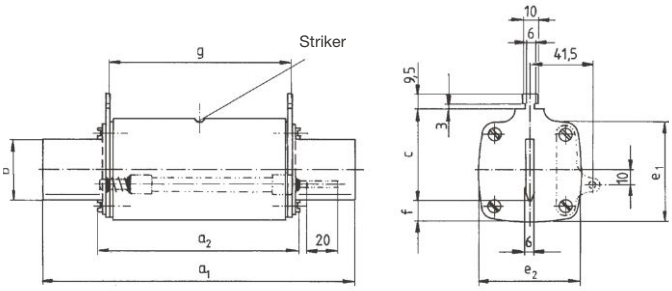


Special-purpose designs and characteristics
Rated voltage: 1000 and 1500 V AC
Utilization category: TF acc. to DIN 43 620-5
Application: Protection of rectifier equipment
for electric railway systems
Breaking capacity: 10 kA

Size	a_1	a_2	b	c	e_1	e_2	f	g
3L	206	130	40	60	67	67	13,5	120

Electrical characteristics:
These special-purpose fuse-links have been designed for use in rectifier stations in railway systems. They feature dual time-current characteristics and PURE SILVER fuse elements. This makes these fuse-links especially resistant to ageing.
The fuse-links withstand overcurrents and inrush currents, but quickly interrupt short-circuits. Due to the quick response characteristic, short-circuit currents are cut out at low current levels.

Variant with striker:
A spring-loaded striker pin is provided in parallel with the fuse-link. When the NH fuse-link trips, the striker pin is released, actuating the micro-switch on the NH fuse-base.



NH maintenance fuse-link

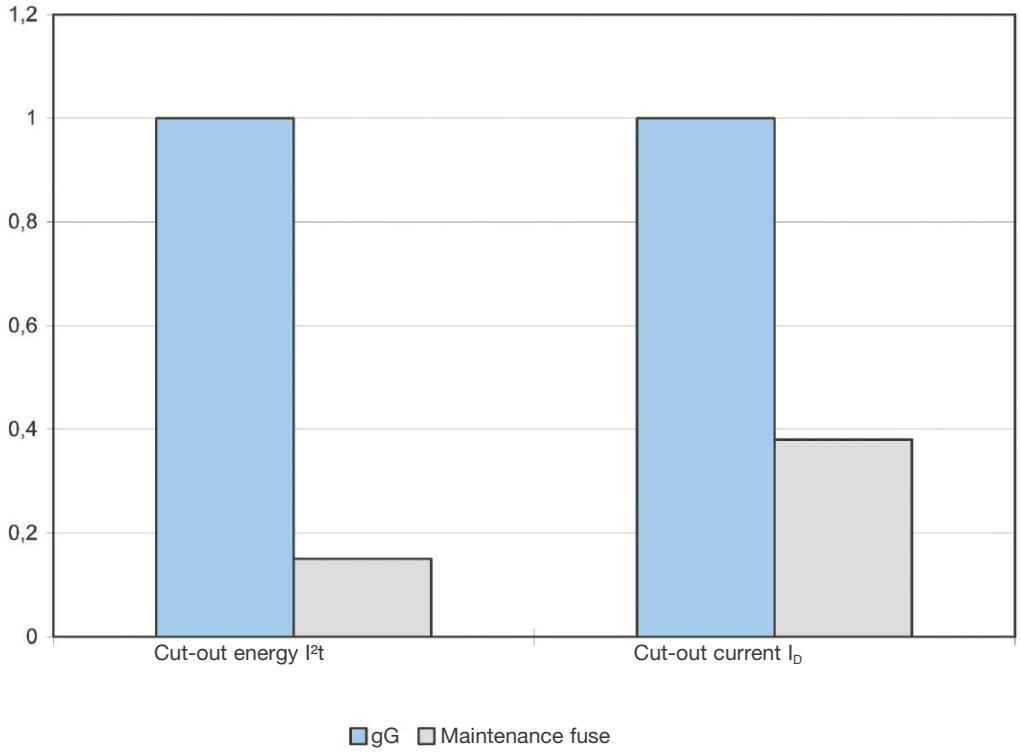
Application:
NH maintenance fuse-links are used to temporarily replace line-protection fuse-links (gG) in power grids during maintenance work. The feature ultra-quick time-current characteristics. Accordingly, maximum cut-out current and maximum cut-out energy are limited even more strictly than in NH fuse-links of utilization category gG. This means less risk by potential current arcing to the maintenance personnel.
NH maintenance fuse-links are not optimally suited for normal operation as they trip more quickly in the case of temporary overload. Also, their power dissipation is much higher than that of fuse-links of category gG. For normal operation we recommend our ageing-resistant NH fuse-links of utilization category gG.

- Less cut-out energy and lower cut-out currents thanks to ultra-quick time-current characteristics means more safety for the maintenance personnel
- Insulated metal gripping lugs protect against accidental contact with live parts
- Ageing-resistant pure silver fuse element
- Locked screws that do not come lose
- Reliable function even after years inside a service vehicle
- Clear identification in red color as “maintenance fuse-link”

Size	Amps	Designation	Order no.
2	80	NH-Arbeitssicherung 80A gR Li	**35209-0010**
2	100	NH-Arbeitssicherung 100A gR Li	**35209-0020**
2	125	NH-Arbeitssicherung 125A gR Li	**35209-0030**
2	160	NH-Arbeitssicherung 160A gR Li	**35209-0040**
2	200	NH-Arbeitssicherung 200A gR Li	**35209-0050**
2	224	NH-Arbeitssicherung 224A gR Li	**35209-0060**
2	250	NH-Arbeitssicherung 250A gR Li	**35209-0070**
2	300	NH-Arbeitssicherung 300A gR Li	**35209-0080**
2	315	NH-Arbeitssicherung 315A gR Li	**35209-0090**

NH maintenance fuse-link

Maintenance fuse-link and gG fuse-link compared



NH Fuse-Links for DC applications up to 80 V - series TPS

▶ Technical data, page 55

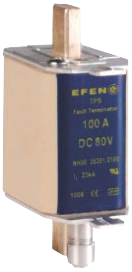


35300-0600

TPS fault terminator Fuse-Links

Features:
- Compact design
- Use only with TPS fuse isolators (page 133)

Designation	Size	Amps	PU	Product designation	Order no.
TPS FAULT TERMINATOR 60 A	00	60	3	U TPS FAULT TERMINATOR 60A	**35300-0060**
TPS FAULT TERMINATOR 80 A	00	80	3	U TPS FAULT TERMINATOR 80A	**35300-0080**
TPS FAULT TERMINATOR 100 A	00	100	3	U TPS FAULT TERMINATOR 100A	**35300-0100**
TPS FAULT TERMINATOR 150 A	00	150	3	U TPS FAULT TERMINATOR 150A	**35300-0150**
TPS FAULT TERMINATOR 200 A	00	200	3	U TPS FAULT TERMINATOR 200A	**35300-0200**
TPS FAULT TERMINATOR 250 A	00	250	3	U TPS FAULT TERMINATOR 250A	**35300-0250**
TPS FAULT TERMINATOR 300 A	00	300	3	U TPS FAULT TERMINATOR 300A	**35300-0300**
TPS FAULT TERMINATOR 400 A	00	400	3	U TPS FAULT TERMINATOR 400A	**35300-0400**
TPS FAULT TERMINATOR 500 A	00	500	3	U TPS FAULT TERMINATOR 500A	**35300-0500**
TPS FAULT TERMINATOR 600 A	00	600	3	U TPS FAULT TERMINATOR 600A	**35300-0600**
TPS FAULT TERMINATOR 800 A	2	800	1	U TPS FAULT TERMINATOR 800A	**35330-0800**
TPS FAULT TERMINATOR 1000 A	2	1000	1	U TPS FAULT TERMINATOR 1000A	**35330-1000**
TPS FAULT TERMINATOR 1200 A	2	1200	1	U TPS FAULT TERMINATOR 1200A	**35330-1200**
TPS FAULT TERMINATOR 1600 A	2	1600	1	U TPS FAULT TERMINATOR 1600A	**35330-1600**



35301-0100

TPS Fault Terminator with striker for fuse-monitoring

Features:
- Compact design
- Use only with TPS fuse isolators (page 133)

Designation	Size	Amps	PU	Product designation	Order no.
TPS FAULT TERMINATOR 60 A SM	00	60	3	U TPS FAULT TERMINATOR 60A SM	**35301-0060**
TPS FAULT TERMINATOR 80 A SM	00	80	3	U TPS FAULT TERMINATOR 80A SM	**35301-0080**
TPS FAULT TERMINATOR 100 A SM	00	100	3	U TPS FAULT TERMINATOR 100A SM	**35301-0100**
TPS FAULT TERMINATOR 150 A SM	00	150	3	U TPS FAULT TERMINATOR 150A SM	**35301-0150**
TPS FAULT TERMINATOR 200 A SM	00	200	3	U TPS FAULT TERMINATOR 200A SM	**35301-0200**
TPS FAULT TERMINATOR 250 A SM	00	250	3	U TPS FAULT TERMINATOR 250A SM	**35301-0250**
TPS FAULT TERMINATOR 300 A SM	00	300	3	U TPS FAULT TERMINATOR 300A SM	**35301-0300**
TPS FAULT TERMINATOR 400 A SM	00	400	3	U TPS FAULT TERMINATOR 400A SM	**35301-0400**
TPS FAULT TERMINATOR 500 A SM	00	500	3	U TPS FAULT TERMINATOR 500A SM	**35301-0500**
TPS FAULT TERMINATOR 600 A SM	00	600	3	U TPS FAULT TERMINATOR 600A SM	**35301-0600**

NH Fuse-Links for DC applications up to 550 V

▶ Technical data, page 55



35178-0020

NH battery fuse DC 550 V

Features:
- Clear identification for protection against mix-up
- Selection guide 56

Designation	Size	Amps	PU	Product designation	Order no.
NH-BATTERIESICHERUNG 00 E	00		3	NH-BATTERIESICHERUNG 00 E	**35177-0010**
NH-BATTERIESICHERUNG 00 G	00		3	NH-BATTERIESICHERUNG 00 G	**35177-0030**
NH-BATTERIESICHERUNG 00 H	00		3	NH-BATTERIESICHERUNG 00 H	**35177-0040**
NH-BATTERIESICHERUNG 00 A	00		3	NH-BATTERIESICHERUNG 00 A	**35177-0050**
NH-BATTERIESICHERUNG 00 B	00		3	NH-BATTERIESICHERUNG 00 B	**35177-0060**
NH-BATTERIESICHERUNG 00 C	00		3	NH-BATTERIESICHERUNG 00 C	**35177-0070**
NH-BATTERIESICHERUNG 00 D	00		3	NH-BATTERIESICHERUNG 00 D	**35177-0080**
NH-BATTERIESICHERUNG 1 A	2C		3	NH-BATTERIESICHERUNG 1 A	**35178-0010**
NH-BATTERIESICHERUNG 1 B	2C		3	NH-BATTERIESICHERUNG 1 B	**35178-0020**
NH-BATTERIESICHERUNG 1 C	2C		3	NH-BATTERIESICHERUNG 1 C	**35178-0030**
NH-BATTERIESICHERUNG 2 A	2		3	NH-BATTERIESICHERUNG 2 A	**35179-0010**
NH-BATTERIESICHERUNG 2 B	2		3	NH-BATTERIESICHERUNG 2 B	**35179-0020**
NH-BATTERIESICHERUNG 3 A	3		1	NH-BATTERIESICHERUNG 3 A	**35180-0010**
NH-BATTERIESICHERUNG 3 B	3		1	NH-BATTERIESICHERUNG 3 B	**35180-0020**
NH-BATTERIESICHERUNG 3 C	3		1	NH-BATTERIESICHERUNG 3 C	**35180-0030**
NH-BATTERIESICHERUNG 4 C	4a		1	NH-BATTERIESICHERUNG 4 C	**35183-0020**
NH-BATTERIESICHERUNG 4 D	4a		1	NH-BATTERIESICHERUNG 4 D	**35183-0030**
NH-BATTERIESICHERUNG 4 E	4a		1	NH-BATTERIESICHERUNG 4 E	**35183-0040**

NH Fuse-Links 1000 V DC

▶ Technical data, page 49



35089-0190

NH Fuse-Links, size 3L, special design

Features:
- AC 1000 V (425 – 500 A), AC 1500 V (6 – 355 A), 25 kA DC 1000 V 6 – 355 A
- Breaking capacity: 10 kA
- TF acc. to VDE 0660 and DIN 43620-5

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3L 6A TF AC1500V LS	3L	6	3	NH-SI 3L 6A TF AC1500V LS	**35089-0200**
NH-SI 3L 10A TF AC1500V LS	3L	10	3	NH-SI 3L 10A TF AC1500V LS	**35089-0010**
NH-SI 3L 16A TF AC1500V LS	3L	16	3	NH-SI 3L 16A TF AC1500V LS	**35089-0020**
NH-SI 3L 20A TF AC1500V LS	3L	20	3	NH-SI 3L 20A TF AC1500V LS	**35089-0030**
NH-SI 3L 25A TF AC1500V LS	3L	25	3	NH-SI 3L 25A TF AC1500V LS	**35089-0040**
NH-SI 3L 35A TF AC1500V LS	3L	35	3	NH-SI 3L 35A TF AC1500V LS	**35089-0050**
NH-SI 3L 50A TF AC1500V LS	3L	50	3	NH-SI 3L 50A TF AC1500V LS	**35089-0060**
NH-SI 3L 63A TF AC1500V LS	3L	63	3	NH-SI 3L 63A TF AC1500V LS	**35089-0070**
NH-SI 3L 80A TF AC1500V LS	3L	80	3	NH-SI 3L 80A TF AC1500V LS	**35089-0080**
NH-SI 3L 100A TF AC1500V LS	3L	100	3	NH-SI 3L 100A TF AC1500V LS	**35089-0090**
NH-SI 3L 125A TF AC1500V LS	3L	125	3	NH-SI 3L 125A TF AC1500V LS	**35089-0100**
NH-SI 3L 160A TF AC1500V LS	3L	160	3	NH-SI 3L 160A TF AC1500V LS	**35089-0110**
NH-SI 3L 200A TF AC1500V LS	3L	200	3	NH-SI 3L 200A TF AC1500V LS	**35089-0120**
NH-SI 3L 224A TF AC1500V LS	3L	224	3	NH-SI 3L 224A TF AC1500V LS	**35089-0130**
NH-SI 3L 250A TF AC1500V LS	3L	250	3	NH-SI 3L 250A TF AC1500V LS	**35089-0140**
NH-SI 3L 300A TF AC1500V LS	3L	300	3	NH-SI 3L 300A TF AC1500V LS	**35089-0150**
NH-SI 3L 315A TF AC1500V LS	3L	315	3	NH-SI 3L 315A TF AC1500V LS	**35089-0160**
NH-SI 3L 355A TF AC1500V LS	3L	355	3	NH-SI 3L 355A TF AC1500V LS	**35089-0170**



35091-0190

NH Fuse-Links, size 3L, special design

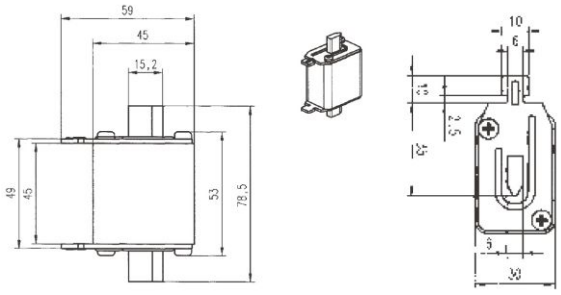
Features:
- 1000 V AC (425 – 500 A) and 1500 V AC (10 – 355 A)
- Breaking capacity 10 kA (1500 V AC); 50 kA (1000 V AC), 25 kA, 1000 V DC, 10 – 355 A
- TF acc. to VDE 0660 and DIN 43620-5
- Striker pin for fuse monitoring

Designation	Size	Amps	PU	Product designation	Order no.
NH-SI 3L 10A TF AC1500V SM	3L	10	3	NH-SI 3L 10A TF AC1500V SM	**35091-0010**
NH-SI 3L 16A TF AC1500V SM	3L	16	3	NH-SI 3L 16A TF AC1500V SM	**35091-0020**
NH-SI 3L 20A TF AC1500V SM	3L	20	3	NH-SI 3L 20A TF AC1500V SM	**35091-0030**
NH-SI 3L 25A TF AC1500V SM	3L	25	3	NH-SI 3L 25A TF AC1500V SM	**35091-0040**
NH-SI 3L 35A TF AC1500V SM	3L	35	3	NH-SI 3L 35A TF AC1500V SM	**35091-0050**
NH-SI 3L 50A TF AC1500V SM	3L	50	3	NH-SI 3L 50A TF AC1500V SM	**35091-0060**
NH-SI 3L 63A TF AC1500V SM	3L	63	3	NH-SI 3L 63A TF AC1500V SM	**35091-0070**
NH-SI 3L 80A TF AC1500V SM	3L	80	3	A NH-SI 3L 80A TF AC1500V SM	**35091-0080**
NH-SI 3L 100A TF AC1500V SM	3L	100	3	NH-SI 3L 100A TF AC1500V SM	**35091-0090**
NH-SI 3L 125A TF AC1500V SM	3L	125	1	NH-SI 3L 125A TF AC1500V SM	**35091-0100**
NH-SI 3L 160A TF AC1500V SM	3L	160	3	A NH-SI 3L 160A TF AC1500V SM	**35091-0110**
NH-SI 3L 200A TF AC1500V SM	3L	200	3	NH-SI 3L 200A TF AC1500V SM	**35091-0120**
NH-SI 3L 224A TF AC1500V SM	3L	224	3	NH-SI 3L 224A TF AC1500V SM	**35091-0130**
NH-SI 3L 250A TF AC1500V SM	3L	250	3	NH-SI 3L 250A TF AC1500V SM	**35091-0140**
NH-SI 3L 300A TF AC1500V SM	3L	300	3	NH-SI 3L 300A TF AC1500V SM	**35091-0150**
NH-SI 3L 315A TF AC1500V SM	3L	315	3	NH-SI 3L 315A TF AC1500V SM	**35091-0160**
NH-SI 3L 355A TF AC1500V SM	3L	355	3	NH-SI 3L 355A TF AC1500V SM	**35091-0170**

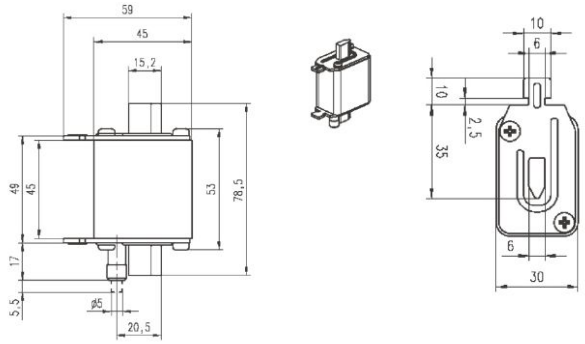
NH Fuse-Links for DC applications up to 80 V, series TPS

TPS Fault Terminator

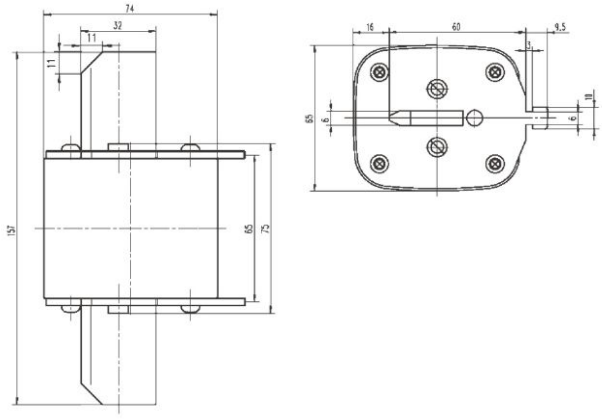
TPS 00/60 – 600 A



TPS 00/60 – 600 A with striker



TPS 2/800 – 1600 A



Rated power dissipation in Watts of TPS Fault Terminator size 00

I_n [A]	Fuse-link	Fuse-link with switch
60	4,5	5
80	5	5,5
100	6,5	7,8
150	10	13
200	12	17
250	13	21
300	16	23
400	19,5	32
500	26	43
600	29	54

Rated power dissipation in Watts of TPS Fault Terminator size 2

I_n [A]	Fuse-link	Fuse-link with switch
800	43	65
1000	57	89
1200	64	113
1600	95	155

Products for DC applications max. 550 V

1. Application
- Defined point of intersection between battery and UPS.
- Isolation of the battery during service and maintenance work.
- Protection of the battery against over-heating and mechanical damage in the case of short-circuits.

2. Selection criteria for EFEN battery switches and battery fuses
- Single-pole NH load-break switches in sizes from 00 to 4a are specifically suited to isolate and safeguard backup batteries in UPS applications. General-purpose line protection fuses are usually not suitable for use in these applications. Fast-acting fuses must be used. The extra heat coming from these fuse-links has to be taken into account when selecting suitable fuse switches. EFEN uses highly temperature-resistant materials that allow for optimum space utilization and reliable operation.
- Specific care must be taken to select the correct fuse-links for battery protection. Fuse elements for UPS systems must be resistant to ageing in order to prevent premature tripping under permissible load.
- The fuse-link characteristics must be carefully selected according to the UPS system and the battery rating in order to provide reliable full-range protection of the battery. EFEN offers expert support in this process. Pl*ease fill in and return the questionnaire (see next page).*

3. Features and benefits of EFEN battery switches and battery fuse-links for UPS.
- EFEN battery fuse-links provide superior short-circuit protection.
- Silver fuse elements resistant to ageing prevent premature inadvertent tripping.
- Low power dissipation prevents overheating of plastic components.
- Parallel contact isolation with two arcing chambers provides excellent DC breaking capacity.
- High thermal stability of plastics prevents overheating even under overload conditions.
- A complete range of fuse switches and fuse-links for optimal protection of all industry-standard UPS systems up to 550 V battery voltage.

NH Fuse-Links for DC applications up to 550 V

Questionnaire – EFEN battery-switches and battery-fuses for UPS systems

Company:

Contact person:

Phone no. for technical information:

1. UPS system

1.1 Manufacturer:

1.2 Type:

1.3 Output:

1.4 Power factor:

1.5 Efficiency:

1.6 DC circuit voltage:

1.7 Acceptable overload:

2. Battery

2.1 Manufacturer:

2.2 Type:

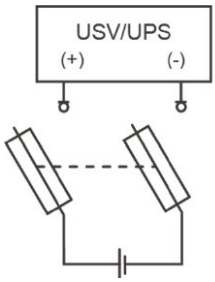
2.3 Rated voltage:

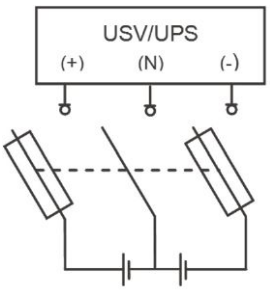
2.4 Capacity:

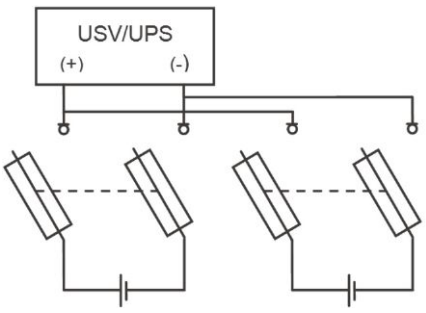
2.5 Number of blocks:

2.6 Battery layout:

☐ a) one string ☐ b) circuit with a neutral point ☐ c) two separately protected strings ☐ d) other







2.7 Operating time:

2.8 Final discharge voltage (at the end of operating time):

2.9 Acceptable overload:

Place, date:

Completed by: (Signature)

NH Fuse-Links for DC applications up to 550 V

NH battery fuses DC 550 V for uninterruptible power supplies (UPS)

Description	Size	Type	Designation	PU	Weight in kg	Order no.
NH battery fuse	00	00 E	NH-BATTERIESICHERUNG 00 E	3	0,148	**35177-0010**
NH battery fuse	00	00 G	NH-BATTERIESICHERUNG 00 G	3	0,148	**35177-0030**
NH battery fuse	00	00 H	NH-BATTERIESICHERUNG 00 H	3	0,148	**35177-0040**
NH battery fuse	00	00 A	NH-BATTERIESICHERUNG 00 A	3	0,148	**35177-0050**
NH battery fuse	00	00 B	NH-BATTERIESICHERUNG 00 B	3	0,148	**35177-0060**
NH battery fuse	00	00 C	NH-BATTERIESICHERUNG 00 C	3	0,148	**35177-0070**
NH battery fuse	00	00 D	NH-BATTERIESICHERUNG 00 D	3	0,148	**35177-0080**
NH battery fuse	2C	1 A	NH-BATTERIESICHERUNG 1 A	3	0,398	**35178-0010**
NH battery fuse	2C	1 B	NH-BATTERIESICHERUNG 1 B	3	0,398	**35178-0020**
NH battery fuse	2C	1 C	NH-BATTERIESICHERUNG 1 C	3	0,398	**35178-0030**
NH battery fuse	2	2 A	NH-BATTERIESICHERUNG 2 A	3	0,636	**35179-0010**
NH battery fuse	2	2 B	NH-BATTERIESICHERUNG 2 B	3	0,636	**35179-0020**
NH battery fuse	3	3 A	NH-BATTERIESICHERUNG 3 A	1	0,915	**35180-0010**
NH battery fuse	3	3 B	NH-BATTERIESICHERUNG 3 B	1	0,915	**35180-0020**
NH battery fuse	3	3 C	NH-BATTERIESICHERUNG 3 C	1	0,915	**35180-0030**
NH battery fuse	4a	4 C	NH-BATTERIESICHERUNG 4 C	1	2,589	**35183-0020**
NH battery fuse	4a	4 D	NH-BATTERIESICHERUNG 4 D	1	2,589	**35183-0030**
NH battery fuse	4a	4 E	NH-BATTERIESICHERUNG 4 E	1	2,589	**35183-0040**

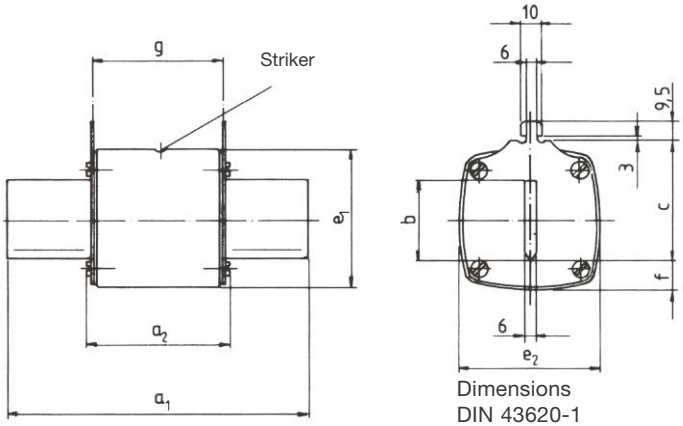
* Size 2 (compact design 2/1)

Size	a_1	a_2	b	c	e_1	e_2	f	g
00	78,5	53	15	35	40	28	12,5	47
2C	150	71	20,2	48	50	50	10	65
2	150	71	26,2	48	58	58	14,5	65
3	150	72	40	60	70	70	15	65
4a	200	98	50	85	110	102	28	87

Battery switches and battery fuses
VDE 0660 T107

System
EFEN offers a complete range of single-pole compact load-break switches that are specifically designed for an operating voltage of 550 V DC as is typical for uninterruptible power supplies. These load-break switches protect batteries and battery-supplied circuits, representing the interface and isolating the system e.g. for maintenance purposes. Fuse-monitoring devices, strikers and a multitude of accessories are available.

Support
The isolation of a battery system in the event of a short-circuit must be precisely tuned to its capacity and maintenance concept. Fast-acting battery fuses selected in coordination with EFEN ensure reliable protection.



Dimensions
DIN 43620-1

NH Accessories

▶ Technical data, page 59



36022-0010

NH fuse handles acc. to VDE 0636 T 201 and IEC 60269-2-1
for NH fuse-links and solid links

Features:
- Acc. to VDE 0636 T 201, IEC 60269-2-1
- For NH fuse-links and solid links

Designation	Size	Amps	PU	Product designation	Order no.
With leather cuff, 352 mm long	00-3		3	NH-GRIFF MIT LEDERSTULPE	**36022-0010**
With hand protection, without cuff	00-3		10	NH-HANDGRIFF GR.00-3	**36020-0010**
Special variant for NH fuse-links or solid links with 120 mm gripping lug spacing, 1500 V	3L		4	NH-HANDGRIFF GR.3 1500V	**36018-0010**



36008-0010

NH solid link, size 00 – 4a, non-insulated metal gripping lugs

Features:
- Non-insulated metal gripping lugs

Designation	Size	Amps	PU	Product designation	Order no.
NH solid link	00	160	15	TRENNMESSER GR.00	**36008-0010**
NH solid link	00	250	15	TRENNMESSER GR.00 250A	**36115-0010**
NH solid link	0	160	15	TRENNMESSER GR.0	**36009-0010**
NH solid link	1	250	9	TRENNMESSER GR.1	**36010-0010**
NH solid link	2	400	6	TRENNMESSER GR.2 NR	**36011-0010**
NH solid link	3	630	6	TRENNMESSER GR.3	**36012-0010**
NH solid link	3	1000	6	TRENNMESSER GR.3 1000A / 1250A	**36012-0020**
NH solid link	4	1250	10	TRENNMESSER GR.4	**36013-0010**
NH solid link	4a	1600	6	TRENNMESSER GR.4A	**36014-0010**



36139-0010

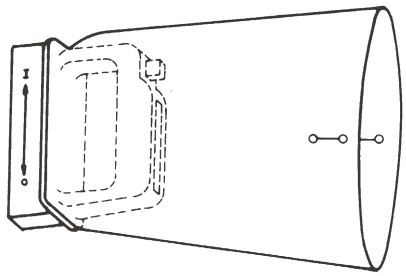
NH solid link, size 00 – 3a, insulated gripping lugs

Features:
- Insulated gripping lug

Designation	Size	Amps	PU	Product designation	Order no.
NH solid link, insulated gripping lug	00	160	12	TRENNMESSER GR.00 160A LP	**36139-0010**
NH solid link, insulated gripping lug	0	160	6	TRENNMESSER GR.0 160A LP	**36140-0010**
NH solid link, insulated gripping lug	1	250	12	TRENNMESSER GR.1 250A LP	**36141-0010**
NH solid link, insulated gripping lug	2	400	6	TRENNMESSER GR.2 400A LP	**36142-0010**
NH solid link, insulated gripping lug	3	630	6	TRENNMESSER GR.3 630A LP	**36143-0010**
NH solid link, insulated gripping lug	3	1000	3	TRENNMESSER GR.3 1000A LP	**36144-0010**
NH solid link, insulated gripping lug	3L	1000	15	TRENNMESSER GR.3L 1000A LP	**36015-0020**
TPS solid link for up to 600 A	00	600	1	TRENNMESSER TPS 00/600	**36917-0010**
TPS solid link for up to 1600 A	2	1600	1	TRENNMESSER TPS 2/1600	**36918-0010**

NH Accessories

NH fuse handles
Acc. to VDE 0680-4, DIN 43620-4, IEC 60269-2-1 for NH fuse-links and solid links.

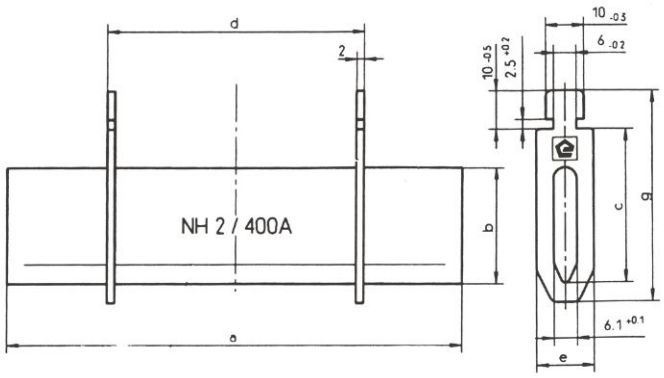


Description	PU	Weight	Order no.
Fuse handle for NH Fuse-Links DIN 43620-1 and DIN VDE 0636-201, size 00 – 3 (can also be used for size 4) with hand protection, without cuff	10	0,208	**36020-0010**
Fuse handle for NH Fuse-Links DIN 43620-1 and DIN VDE 0636-201, size 00 – 3 (can also be used for size 4) with leather cuff, 352 mm long	3	0,384	**36022-0010**
Special fuse handle for NH Fuse-Links with a gripping-lug spacing of 120 mm, 1500 V	4	0,301	**36018-0010**

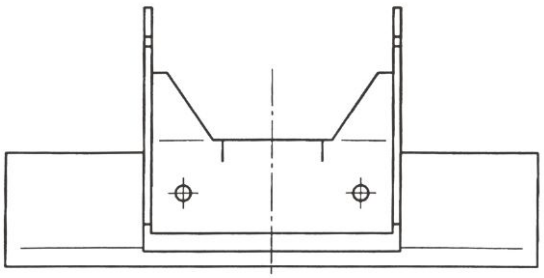
NH solid link, size 00 – 4a

NH solid links are suitable for NH fuse-bases acc. to DIN 43620-3 and VDE 0636-201 as well as NH fuse-switches and isolating switches of the corresponding sizes.

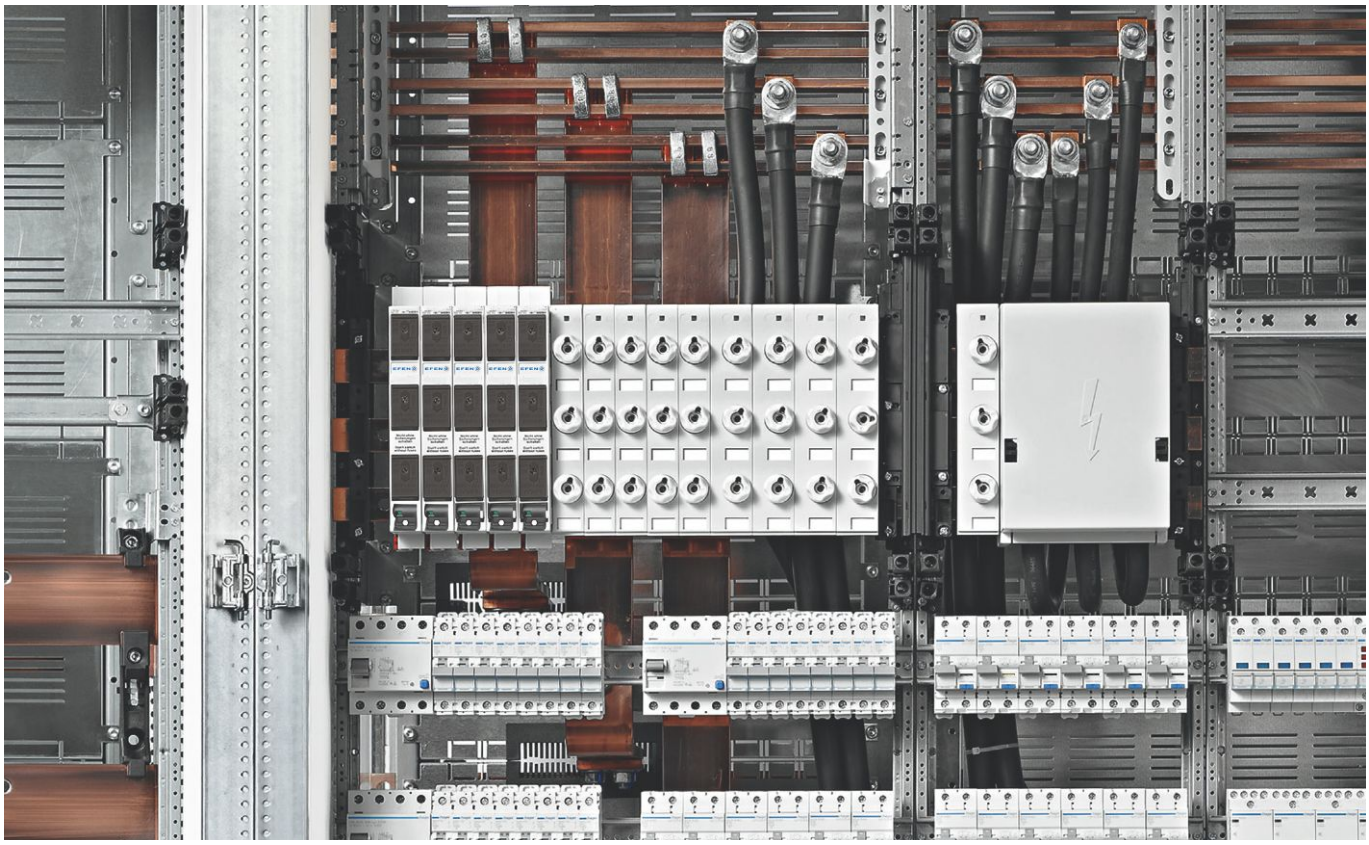
Metal gripping lugs



Insulated gripping lugs



Size	Amps	V	Dimensions						Weight	PU	Metal gripping lugs	Weight	PU	Insulated gripping lugs
		0,00	a	b	c	d	g	e			Order no.			Order no.
00	160	0,00	77	15	35	47	49	17	0,07	15	**36008-0010**	0,05	12	**36139-0010**
0	160	0,00	77	15	35	47	49	17	0,10	10	**36009-0010**	0,10	6	**36140-0010**
1	250	0,00	122,5	15	35	65	56	17	0,15	9	**36010-0010**	0,15	12	**36141-0010**
2	400	0,00	132,5	20	40	65	64	20	0,21	6	**36011-0010**	0,25	6	**36142-0010**
3	630	0,00	147,5	25	48	65	76	20	0,27	6	**36012-0010**	0,25	6	**36143-0010**
3	1000	0,00	147,5	32	60	65	76	20	0,27	6	**36012-0020**	0,25	6	**36144-0010**
3L	1000	0,00	147,5	32	60	65	70	20		-	**-**	0,35	10	**36015-0020**
4	1250	0,00	203	32	60	120	96	96	0,60	10	**36013-0010**	-	-	**-**
4a	1600	0,00	200	50	85	65	96	25	0,59	6	**36014-0010**	-	-	**-**



D Fuse-Links

The D0 Fuse-Links offer protection within the smallest space and, thanks to state-of-the-art distribution components, perfectly integrate into future systems.

System
The D0 fuse systems are characterized by a high level of protection against accidental contact. Ceramic gage rings in the fuse base - prevent the installation of incorrect fuse elements in the critical range above 10 A. EFEN offers a wide range of D0 fuse-links from 2 to 63 A.

Features
Thanks to the uniform rated voltage of 500 V for direct and alternating current and due to the high breaking capacity of AC 50 kA and DC 8 kA, the D0 system is universally suited for installation in buildings and industrial applications.



D Fuse-Links

D Fuse-Links
E14, E16, E18, E27 and E33 page 62

D-type gauge rings
E16, E27 and E33 page 63

D0-type gauge pieces
E14 and E18 page 64

D-type screw cauge pieces
E27 and E33 page 64

D-type accessories page 65

Technical data page 66

D0 Fuse-Links



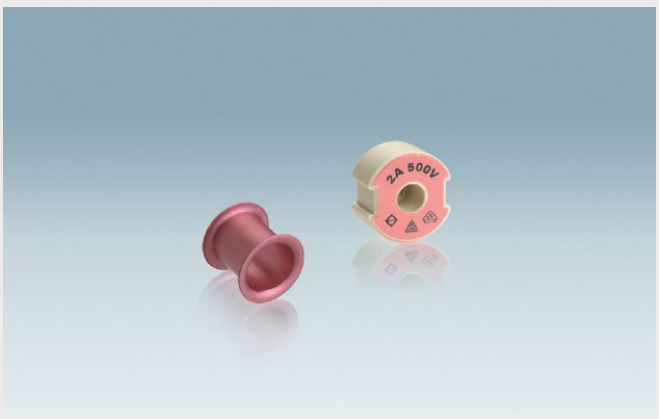
D0 Fuse-Links DII-DIII



D0 Fuse-Links E16



Ring-type, D0-type and D0 screw gage pieces



D Fuse-Links

- Fuse-links D01 – DII
- Category gG
- Rated voltage: 400 V AC / 250 V DC
- Rated breaking capacity: 50 kA / 400 V AC, 8 kA / 250 V DC
- Standards EC 60269, EN 60269, DIN 49522, VDE 0636-T41

▶ Technical data, page 67



55021-0020

D0 Fuse-Links

Features:
- Compliant with VDE 0636 part 21, 31, 41, IEC 60269-2-1, 6029-3
- VDE approval
- Utilization category gG
- Rated voltage AC 400 (440) V, DC 250 V

Designation	Amps	PU	Product designation	Order no.
D-SI D01 E14 2A gG	2	10	D-SI D01 E14 2A gG	**55021-0020**
D-SI D01 E14 4A gG	4	10	D-SI D01 E14 4A gG	**55021-0040**
D-SI D01 E14 6A gG	6	10	D-SI D01 E14 6A gG	**55021-0060**
D-SI D01 E14 10A gG	10	10	D-SI D01 E14 10A gG	**55021-0100**
D-SI D01 E14 16A gG	16	10	D-SI D01 E14 16A gG	**55021-0160**
D-SI D02 E18 20A gG	20	10	D-SI D02 E18 20A gG	**55022-0200**
D-SI D02 E18 25A gG	25	10	D-SI D02 E18 25A gG	**55022-0250**
D-SI D02 E18 32A gG	32	10	D-SI D02 E18 32A gG	**55022-0320**
D-SI D02 E18 35A gG	35	10	D-SI D02 E18 35A gG	**55022-0350**
D-SI D02 E18 40A gG	40	10	D-SI D02 E18 40A gG	**55022-0400**
D-SI D02 E18 50A gG	50	10	D-SI D02 E18 50A gG	**55022-0500**
D-SI D02 E18 63A gG	63	10	D-SI D02 E18 63A gG	**55022-0630**



55015-0100

D Fuse-Links DII-DIII

Features:
- Slow-blow characteristic acc. to DIN 49515, VDE 0636
- Characteristic gG acc. to VDE 0636, EN 60269
- VDE approval, rated voltage AC 500 V

Designation	Amps	PU	Product designation	Order no.
D-SI DII E27 2A gG	2	100	D-SI DII E27 2A gG	**55015-0020**
D-SI DII E27 10A gG	10	100	D-SI DII E27 10A gG	**55015-0100**
D-SI DII E27 16A gG	16	100	D-SI DII E27 16A gG	**55015-0160**
D-SI DII E27 20A gG	20	100	D-SI DII E27 20A gG	**55015-0200**
D-SI DII E27 25A gG	25	100	D-SI DII E27 25A gG	**55015-0250**
D-SI DIII E33 35A gG	35	100	D-SI DIII E33 35A gG	**55016-0350**
D-SI DIII E33 50A gG	50	100	D-SI DIII E33 50A gG	**55016-0500**
D-SI DIII E33 63A gG	63	100	D-SI DIII E33 63A gG	**55016-0630**



55000-0250

D Fuse-Links E16

Features:
- DIN 49360, 500 V
- Fast-acting or slow-blow
- Variant: Ceramic base with nickel-plated brass contacts
- Colored indicator

Designation	Amps	PU	Product designation	Order no.
D-SI E16 2A F	2	20	D-SI E16 2A F	**55000-0020**
D-SI E16 4A F	4	20	D-SI E16 4A F	**55000-0040**
D-SI E16 6A F	6	20	D-SI E16 6A F	**55000-0060**
D-SI E16 10A F	10	20	D-SI E16 10A F	**55000-0100**
D-SI E16 16A F	16	20	D-SI E16 16A F	**55000-0160**
D-SI E16 20A F	20	20	D-SI E16 20A F	**55000-0200**
D-SI E16 25A F	25	20	D-SI E16 25A F	**55000-0250**
A D-SI E16 2A T	2	20	A D-SI E16 2A T	**55001-0020**
A D-SI E16 4A T	4	20	A D-SI E16 4A T	**55001-0040**
A D-SI E16 6A T	6	20	A D-SI E16 6A T	**55001-0060**
A D-SI E16 10A T	10	20	A D-SI E16 10A T	**55001-0100**
A D-SI E16 16A T	16	20	A D-SI E16 16A T	**55001-0160**
A D-SI E16 20A T	20	20	A D-SI E16 20A T	**55001-0200**
A D-SI E16 25A T	25	20	A D-SI E16 25A T	**55001-0250**

D Fuse-Links

▶ Technical data, page 66



58002-0160

D-type ceramic gauge rings acc. to DIN 49360 and DIN 49362

Features:
- Ceramic
- E16
- 2 A to 16 A

Designation	Amps	PU	Product designation	Order no.
D-type ceramic gauge ring insert E16 2A	2	100	D-PASSEINSATZ E16 2A KER	**58002-0020**
D-type ceramic gauge ring insert E16 4A	4	100	D-PASSEINSATZ E16 4A KER	**58002-0040**
D-type ceramic gauge ring insert E16 6A	6	100	D-PASSEINSATZ E16 6A KER	**58002-0060**
D-type ceramic gauge ring insert E16 10A	10	100	D-PASSEINSATZ E16 10A KER	**58002-0100**
D-type ceramic gauge ring insert E16 16A	16	100	D-PASSEINSATZ E16 16A KER	**58002-0160**



58003-0200

D-type ceramic gauge ring inserts acc. to DIN 49360 and DIN 49362

Features:
- Ceramic
- E16
- 2 A to 16 A

Designation	Amps	PU	Product designation	Order no.
D-type ceramic gauge ring E27 DII 2A	2	100	D-PASSEINSATZ E27 DII 2A KER	**58003-0020**
D-type ceramic gauge ring E27 DII 4A	4	100	D-PASSEINSATZ E27 DII 4A KER	**58003-0040**
D-type ceramic gauge ring E27 DII 6A	6	100	D-PASSEINSATZ E27 DII 6A KER	**58003-0060**
D-type ceramic gauge ring E27 DII 10A	10	100	D-PASSEINSATZ E27 DII 10A KER	**58003-0100**
D-type ceramic gauge ring E27 DII 16A	16	100	D-PASSEINSATZ E27 DII 16A KER	**58003-0160**
D-type ceramic gauge ring E27 DII 20A	20	100	D-PASSEINSATZ E27 DII 20A KER	**58003-0200**
D-TYPE CERAMIC GAUGE RING E27 DII 25A		50	D-PASSEINSATZ E27 DII 25A KER	**58003-0250**



58004-0350

D-type ceramic gauge ring E27 DII 25A

Features:
- Ceramic
- E33
- 2 A to 35 A

Designation	Amps	PU	Product designation	Order no.
D-type ceramic gauge ring E33 DIII 2A	2	50	D-PASSEINSATZ E33 DIII 2A KER	**58004-0020**
D-type ceramic gauge ring E33 DIII 4A	4	50	D-PASSEINSATZ E33 DIII 4A KER	**58004-0040**
D-type ceramic gauge ring E33 DIII 6A	6	50	D-PASSEINSATZ E33 DIII 6A KER	**58004-0060**
D-type ceramic gauge ring E33 DIII 10A	10	50	D-PASSEINSATZ E33 DIII 10A KER	**58004-0100**
D-type ceramic gauge ring E33 DIII 16A	16	50	D-PASSEINSATZ E33 DIII 16A KER	**58004-0160**
D-type ceramic gauge ring E33 DIII 20A	20	50	D-PASSEINSATZ E33 DIII 20A KER	**58004-0200**
D-type ceramic gauge ring E33 DIII 25A	25	50	D-PASSEINSATZ E33 DIII 25A KER	**58004-0250**
D-type ceramic gauge ring E33 DIII 35A	35	50	D-PASSEINSATZ E33 DIII 35A KER	**58004-0350**
D-type ceramic gauge ring E33 DIII 50A	50	50	D-PASSEINSATZ E33 DIII 50A KER	**58004-0500**
D-type ceramic gauge ring E33 DIII 63A	63	50	D-PASSEINSATZ E33 DIII 63A KER	**58004-0630**

D-type gauge pieces, D-type screw-in gauge piece

▶ Technical data - on demand

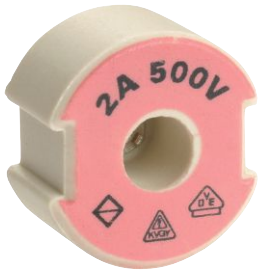


58006-0200

D0-type gauge pieces
acc. to 49523 for over-voltage protection

Features:
- E14, E18, D03
- 2 A to 80 A

Designation	Amps	PU	Product designation	Order no.
D-type gauge piece D01 E14 PH01 2A	2	100	D-PASSHÜLSE D01 E14 PH01 2A ROSA	**58005-0020**
D-type gauge piece D01 E14 PH01 4A	4	100	D-PASSHÜLSE D01 E14 PH01 4A BRAUN	**58005-0040**
D-type gauge piece D01 E14 PH01 6A	6	100	D-PASSHÜLSE D01 E14 PH01 6A GRÜN	**58005-0060**
D-type gauge piece D01 E14 PH01 10A	10	100	D-PASSHÜLSE D01 E14 PH01 10A ROT	**58005-0100**
D-type gauge piece D01 E18 PH02 4A	4	100	D-PASSHÜLSE D02 E18 PH02 4A BRAUN	**58006-0040**
D-type gauge piece D01 E18 PH02 6A	6	100	D-PASSHÜLSE D02 E18 PH02 6A GRÜN	**58006-0060**
D-type gauge piece D01 E18 PH02 10A	10	100	D-PASSHÜLSE D02 E18 PH02 10A ROT	**58006-0100**
D-type gauge piece D01 E18 PH02 16A	16	100	D-PASSHÜLSE D02 E18 PH02 16A GRAU	**58006-0160**
D-type gauge piece D01 E18 PH02 20A	20	100	D-PASSHÜLSE D02 E18 PH02 20A BLAU	**58006-0200**
D-type gauge piece D01 E18 PH02 25A	25	100	D-PASSHÜLSE D02 E18 PH02 25A GELB	**58006-0250**
D-type gauge piece D01 E18 PH02 35A	35	100	D-PASSHÜLSE D02 E18 PH02 35A SCHWARZ	**58006-0350**
D-type gauge piece D01 E18 PH02 50A	50	100	D-PASSHÜLSE D02 E18 PH02 50A WEISS	**58006-0500**



58020-0020

D-type screw gauge pieces
acc. to DIN 49516 for over-voltage protection

Features:
- Ceramic
- E27 – E33
- 2 A to 63 A

Designation	Amps	PU	Product designation	Order no.
D-type screw gauge piece E27 20A	20	100	D-SCHRAUBPASSEINSATZ E27 20A	**58020-0200**
D-type screw gauge piece E27 25A	25	100	D-SCHRAUBPASSEINSATZ E27 25A	**58020-0250**
D-type screw gauge piece E27 4A	4	100	D-Schraubpasseinsatz E27 4A	**58020-3040**
D-type screw gauge piece E27 6A	6	100	D-Schraubpasseinsatz E27 6A	**58020-3060**
D-type screw gauge piece E27 10A	10	100	D-Schraubpasseinsatz E27 10A	**58020-3100**
D-type screw gauge piece E27 16A	16	100	D-Schraubpasseinsatz E27 16A	**58020-3160**
D-type screw gauge piece E27 20A	20	100	D-Schraubpasseinsatz E27 20A	**58020-3200**
D-type screw gauge piece E27 25A	25	100	D-Schraubpasseinsatz E27 25A	**58020-3250**
D-type screw gauge piece E33 35A	35	100	D-Schraubpasseinsatz E33 35A	**58021-3350**
D-type screw gauge piece E33 50A	50	100	D-Schraubpasseinsatz E33 50A	**58021-3500**
D-type screw gauge piece E33 63A	63	100	D-Schraubpasseinsatz E33 63A	**58021-3630**

D-type accessories

▶ Technical data - on demand



58008-0010

Key for D-type gauge pieces

Features:
- for D01 – D02

Designation	PU	Product designation	Order no.
Key for D-type gauge pieces D01 – D02	1	D-Passeinsatzschlüssel D01-D02	**58008-0010**



58015-0010

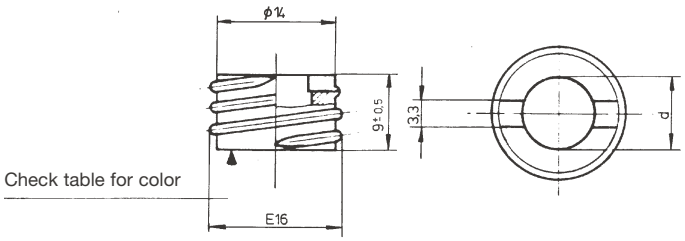
D0-type special retaining spring

Features:
- Metal

Designation	PU	Product designation	Order no.
D0-type retaining spring D01 in K02	100	D0-HALTEFEDER D01 in K02 RFD02-01	**58015-0010**

D-type fuse system

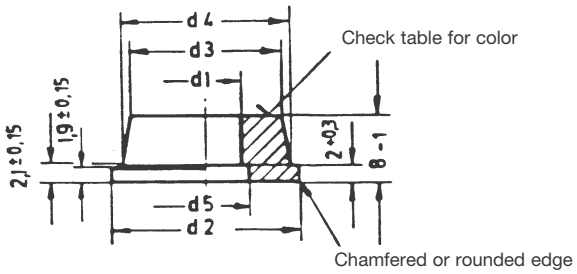
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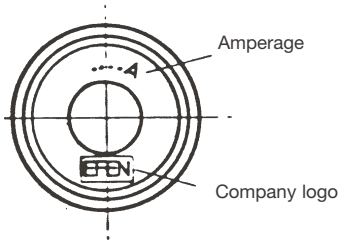


Rated current A		RAL color		Order no.
2	6,3	pink	3014	58002-0020
4		brown	8003	58002-0040
6		green	6010	58002-0060
10	8,5	red	3000	58002-0100
16	10,5	grey	7005	58002-0160

For other types please inquire

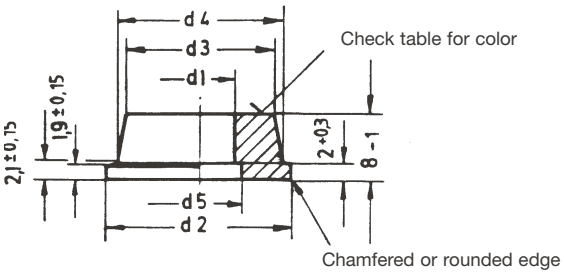
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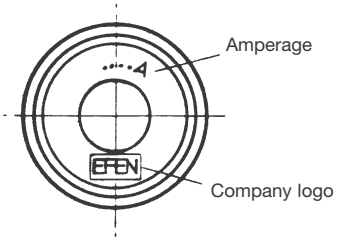




Order no.	Rated current A						Color
58003-0020	2	6,5	22,5	18,5	20	10	pink
58003-0040	4						brown
58003-0060	6						green
58003-0100	10	8,5				12	red
58003-0160	16	10,5				14	grey
58003-0200	20	12,5				15,5	blue

Type 58004-xxxx

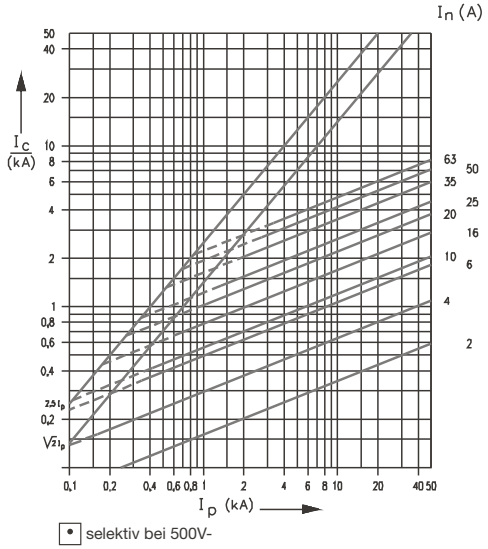




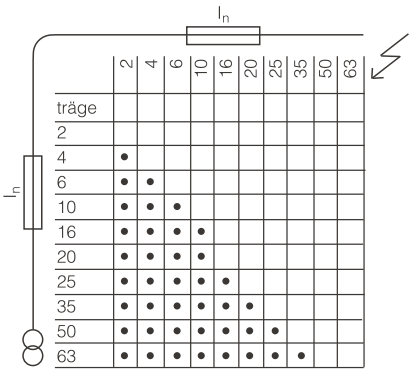
Order no.	Rated current A	d_1 + 0,80	d_2 ±0,5	d_3 ±0,5	d_4 ±0,5	d_5 min.	Color
58004-0020	2	6,5	28,5	24,5	26	10	pink
58004-0040	4						brown
58004-0060	6						green
58004-0100	10	8,5				12	red
58004-0160	16	10,5				14	grey
58004-0200	20	12,5				16	blue
58004-0250	25	14,5				18	yellow
58004-0350	35	16,5				20	black

D-type fuse system

Current limitation diagram gG/gL 500 V~
D01, D02, DII, DIII Fuse-Links



Selectivity gL/gG fuses
D01, D02, DII, DIII



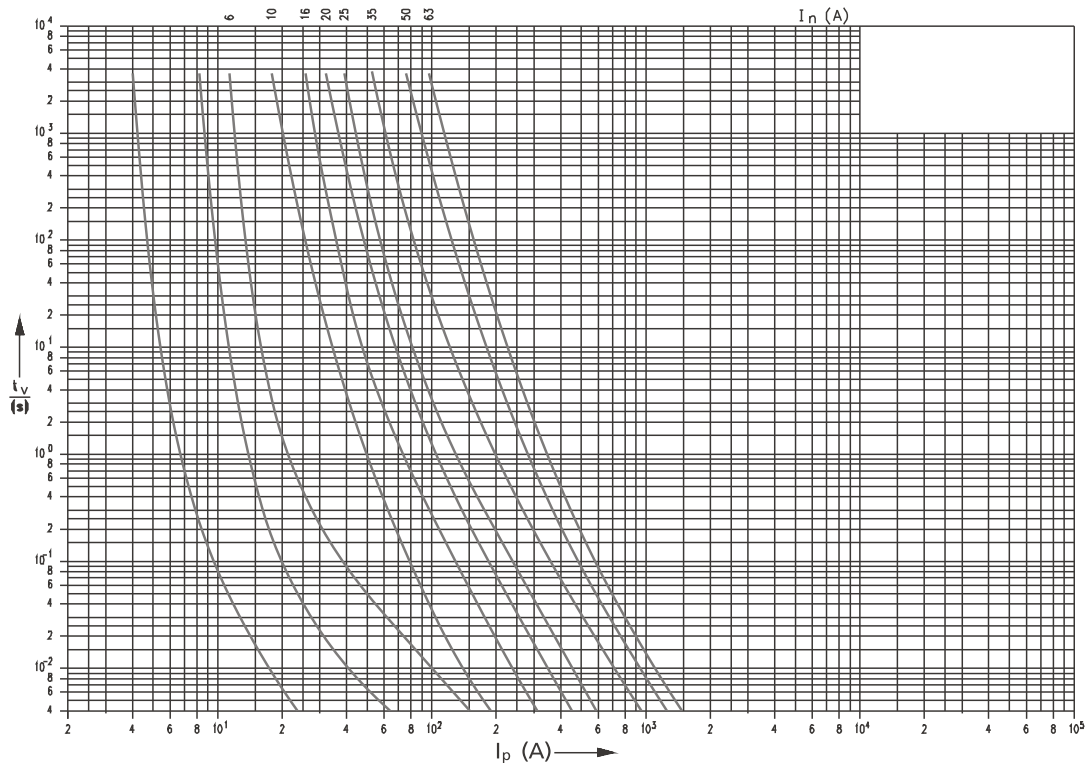
Power dissipation table
D01, D02 gG/gL fuses

	I_n	Watt
D01	2A	0,8
	4A	1,1
	6A	1,2
	10A	1,1
	16A	1,7
	20A	1,7
	25A	2,3
D02	35A	2,8
	50A	3,8
	63A	5,0

DII, DIII gG/gL fuses

	I_n	Watt
DII	2A	1,5
	4A	1,6
	6A	1,8
	10A	1,4
	16A	2,1
	20A	2,2
	25A	3
DIII	35A	4,1
	50A	5
	63A	6,9

Time-current characteristic D01, D02, DII, DIII gG/gL





DC Fuse-Links 10 x 38

Reliable protection of photovoltaic systems against overloads and short-circuits.

System
The fuse-links 10 x 38 by EFEN are the base line of string protection in photovoltaic systems. Designed for the rated DC voltage of 600 V required for solar modules, these fuses offer reliable protection against overload and short-circuit.

Features
The compact DC fuses are designed for high breaking currents. They are ideally suited for applications requiring reliable and instant breaking in the event of a failure.



DC Fuse-Links 10 x 38

DC Fuse-Links 10 x 38 page 70

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DC Fuse-Links
for 1000 V with 30 kA breaking capacity



DC Fuse-Disconnector
for optimum line section protection
see page 136



DC Fuse-Links 10 x 38

Application:
Protection of photovoltaic (PV)
DC systems against overcurrent
and short-circuits

▶ Technical data, page 72



55030-0010

DC fuse 10 x 38 for 1000 V gPV

Features:
- Rated voltage: 1000 V DC / 600 V DC
- Breaking capacity: 30 kA
- Utilization category: gPV
- IEC 60269-6

Designation	Size	Amps	PU	Product designation	Order no.
SI-10x38 gPV 1000V DC 1A	10 x 38	1	10	SI-10x38 gPV 1000V DC 1A	**55030-0010**
SI-10x38 gPV 1000V DC 2A	10 x 38	2	10	SI-10x38 gPV 1000V DC 2A	**55030-0020**
SI-10x38 gPV 1000V DC 3A	10 x 38	3	10	SI-10x38 gPV 1000V DC 3A	**55030-0030**
SI-10x38 gPV 1000V DC 4A	10 x 38	4	10	SI-10x38 gPV 1000V DC 4A	**55030-0040**
SI-10x38 gPV 1000V DC 5A	10 x 38	5	10	SI-10x38 gPV 1000V DC 5A	**55030-0050**
SI-10x38 gPV 1000V DC 6A	10 x 38	6	10	SI-10x38 gPV 1000V DC 6A	**55030-0060**
SI-10x38 gPV 1000V DC 8A	10 x 38	8	10	SI-10x38 gPV 1000V DC 8A	**55030-0080**
SI-10x38 gPV 1000V DC 10A	10 x 38	10	10	SI-10x38 gPV 1000V DC 10A	**55030-0100**
SI-10x38 gPV 1000V DC 12A	10 x 38	12	10	SI-10x38 gPV 1000V DC 12A	**55030-0120**
SI-10x38 gPV 1000V DC 15A	10 x 38	15	10	SI-10x38 gPV 1000V DC 15A	**55030-0150**
SI-10x38 gPV 1000V DC 16A	10 x 38	16	10	SI-10x38 gPV 1000V DC 16A	**55030-0160**
SI-10x38 gPV 1000V DC 20A	10 x 38	20	10	SI-10x38 gPV 1000V DC 20A	**55030-0200**
SI-10x38 gPV 600V DC 25A	10 x 38	25	10	SI-10x38 gPV 600V DC 25A	**55030-0250**
SI-10x38 gPV 600V DC 32A	10 x 38	32	10	SI-10x38 gPV 600V DC 32A	**55030-0320**

DC Fuse-Links

Protection of photovoltaic (PV) DC systems against overcurrent and short-circuits

Size	10,3 x 38 mm	
Rated voltage	1000 V DC	600 V DC
Rated current	1 to 20 A	25 to 32 A
Time constant (L/R)	2 ms	
Minimum release current	1,45 x I_n	
Breaking capacity	30 kA	
Utilization category	gPV	
Temperature	Operating temperature: - 25 °C to + 70 °C	
Without striker pin, without striker		

Rated voltage	Rated current	EAN	Weight	PU	Order no.
1000 V	1 A	4049857117321	7,9 g	10	**55030-0010**
1000 V	2 A	4049857117345	7,9 g	10	**55030-0020**
1000 V	3 A	4049857117512	7,9 g	10	**55030-0030**
1000 V	4 A	4049857117611	7,9 g	10	**55030-0040**
1000 V	5 A	4049857117635	7,9 g	10	**55030-0050**
1000 V	6 A	4049857117659	7,9 g	10	**55030-0060**
1000 V	8 A	4049857117697	7,9 g	10	**55030-0080**
1000 V	10 A	4049857117703	7,9 g	10	**55030-0100**
1000 V	12 A	4049857117710	7,9 g	10	**55030-0120**
1000 V	15 A	4049857117727	7,9 g	10	**55030-0150**
1000 V	16 A	4049857117857	7,9 g	10	**55030-0160**
1000 V	20 A	4049857117901	7,9 g	10	**55030-0200**
600 V	25 A	4049857117918	7,9 g	10	**55030-0250**
600 V	32 A	4049857117956	7,9 g	10	**55030-0320**

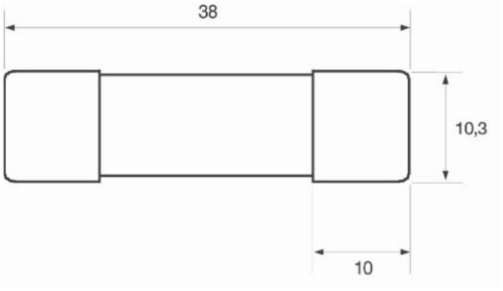
Temperature compensation factor (A1): Compensation factors for adjustment to ambient temperature:

Ambient temperature	25 °C	30 °C	40 °C	50 °C	60 °C	70 °C
Rated current	I_n	0,97 x I_n	0,92 x I_n	0,87 x I_n	0,82 x I_n	0,76 x I_n

Rated output

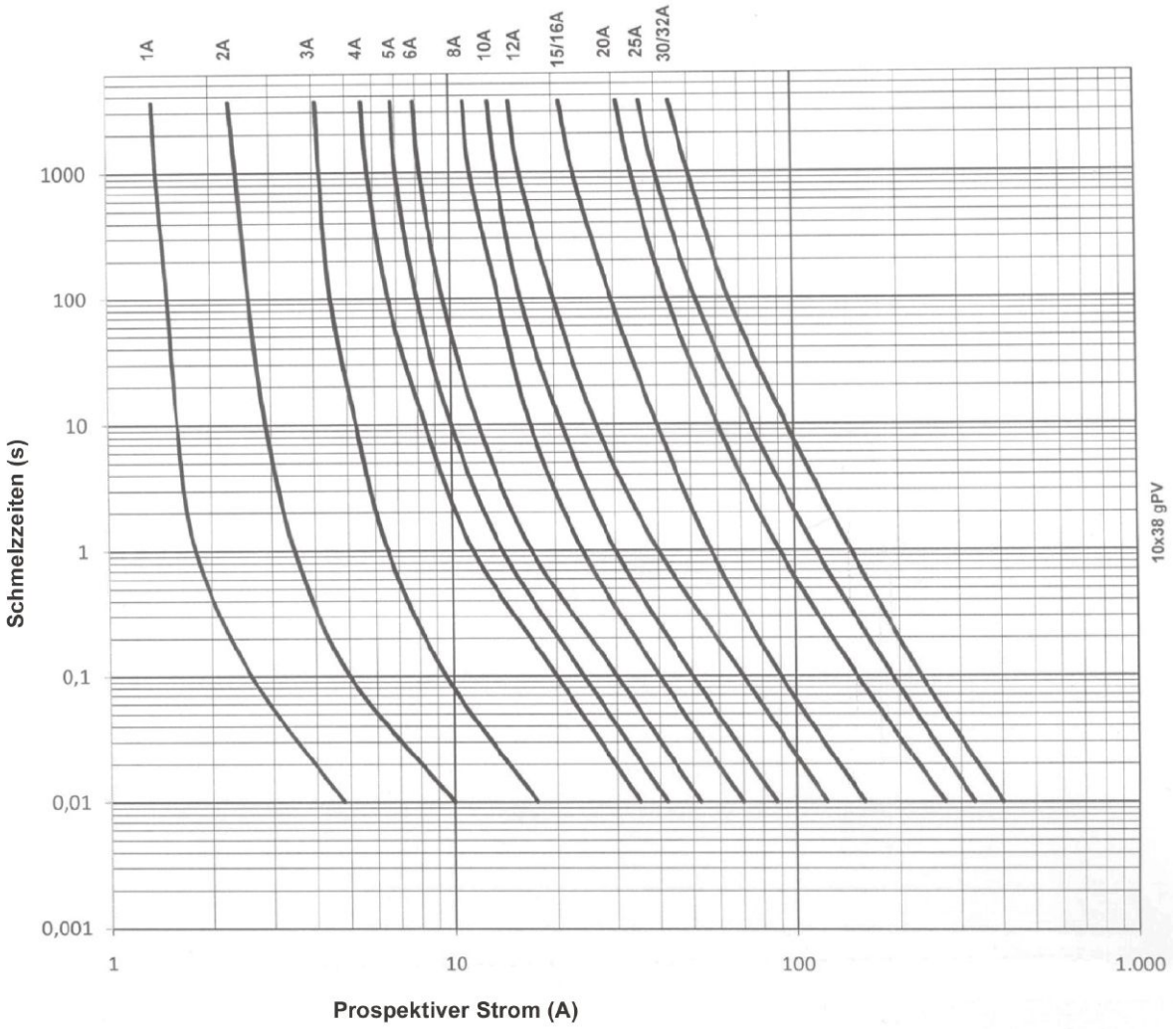
Rated current (A)	1	2	3	4	5	6	8	10	12	15	16	20	25	32
Power dissipation at 0.7 I_n (W)	0,31	0,62	0,54	0,73	0,93	0,96	1,02	1,03	1,04	1,07	1,08	1,16	1,10	1,76
Power dissipation at I_n (W)	0,76	1,54	1,35	1,84	2,22	2,4	2,55	2,58	2,6	2,44	2,7	2,9	2,74	4,4

Dimensions



DC Fuse-Links

Time-current characteristic





EFEN HV general-purpose and back-up Fuse-Links

EFEN's general-purpose and back-up Fuse-Links are a reliable safety interface for transformers, capacitors and high-voltage motors. The range comprises types for indoor, outdoor and oil-submerged applications.

System
EFEN's range of general-purpose and back-up fuse-links is nationally and internationally approved. The HV fuse-links ensure reliable protection of transformers, capacitors and motors.

Features
The range of HV fuse-links includes variants for indoor and outdoor use as well as oil-submerged applications.
A wide range of special-purpose fuse-links – also with special dimensions – and a full range of accessories complements the offer.



High Voltage Fuse-Links

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HV Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 ÜLA	page 80
EFEN HV general purpose Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1	page 78
High-Voltage Fuse-Links for Voltage Transformers (HSW) acc. to VDE 0670 T 402 / IEC 60282-1	page 83
Test device for tripping medium voltage switches	page 83
Accessories for HV Fuse-Links	page 83
Selection tables acc. to T402	page 91
Selection tables acc. to T4	page 94
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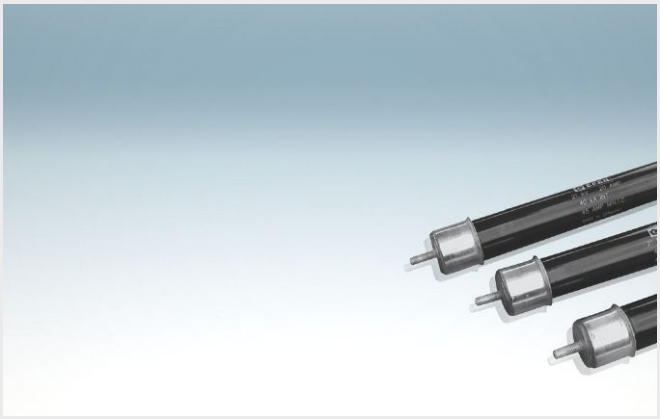
Back-Up Fuse-Links
with controlled power dissipation (ÜLA)



Test device
for tripping medium voltage switches



Special Version
with threaded stud



High-Voltage Fuse-Link
for voltage transformers (HSW)



HV Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1

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67140-1000

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 3/7,2KV 6,3A FC TA 192/56	3/7,2	192	56	6,3	1	HH-SI 3/7,2KV 6,3A FC TA 192/56	**67110-0060**
HH-SI 3/7,2KV 10A FC TA 192/56	3/7,2	192	56	10	1	HH-SI 3/7,2KV 10A FC TA 192/56	**67110-0100**
HH-SI 3/7,2KV 16A FC TA 192/56	3/7,2	192	56	16	1	HH-SI 3/7,2KV 16A FC TA 192/56	**67110-0160**
HH-SI 3/7,2KV 20A FC TA 192/56	3/7,2	192	56	20	1	HH-SI 3/7,2KV 20A FC TA 192/56	**67110-0200**
HH-SI 3/7,2KV 25A FC TA 192/56	3/7,2	192	56	25	1	HH-SI 3/7,2KV 25A FC TA 192/56	**67110-0250**
HH-SI 3/7,2KV 31,5A FC TA 192/56	3/7,2	192	56	31,5	1	HH-SI 3/7,2KV 31,5A FC TA 192/56	**67110-0320**
HH-SI 3/7,2KV 40A FC TA 192/56	3/7,2	192	56	40	1	HH-SI 3/7,2KV 40A FC TA 192/56	**67110-0400**
HH-SI 3/7,2KV 50A FC TA 192/56	3/7,2	192	56	50	1	HH-SI 3/7,2KV 50A FC TA 192/56	**67110-0500**
HH-SI 3/7,2KV 63A FC TA 192/65	3/7,2	192	65	63	1	HH-SI 3/7,2KV 63A FC TA 192/65	**67110-0630**
HH-SI 3/7,2KV 80A FC TA 192/65	3/7,2	192	65	80	1	HH-SI 3/7,2KV 80A FC TA 192/65	**67110-0800**
HH-SI 3/7,2KV 100A FC TA 192/78	3/7,2	192	78	100	1	HH-SI 3/7,2KV 100A FC TA 192/78	**67110-1000**
HH-SI 3/7,2KV 125A FC TA 192/88	3/7,2	192	88	125	1	HH-SI 3/7,2KV 125A FC TA 192/88	**67110-1250**
HH-SI 3/7,2KV 160A FC TA 192/88	3/7,2	192	88	160	1	HH-SI 3/7,2KV 160A FC TA 192/88	**67110-1600**
HH-SI 6/12KV 6,3A FC TA 292/56	6/12	292	56	6,3	1	HH-SI 6/12KV 6,3A FC TA 292/56	**67120-0060**
HH-SI 6/12KV 10A FC TA 292/56	6/12	292	56	10	1	HH-SI 6/12KV 10A FC TA 292/56	**67120-0100**
HH-SI 6/12KV 16A FC TA 292/56	6/12	292	56	16	1	HH-SI 6/12KV 16A FC TA 292/56	**67120-0160**
HH-SI 6/12KV 20A FC TA 292/56	6/12	292	56	20	1	HH-SI 6/12KV 20A FC TA 292/56	**67120-0200**
HH-SI 6/12KV 25A FC TA 292/56	6/12	292	56	25	1	HH-SI 6/12KV 25A FC TA 292/56	**67120-0250**
HH-SI 6/12KV 31,5A FC TA 292/56	6/12	292	56	31,5	1	HH-SI 6/12KV 31,5A FC TA 292/56	**67120-0320**
HH-SI 6/12KV 40A FC TA 292/56	6/12	292	56	40	1	HH-SI 6/12KV 40A FC TA 292/56	**67120-0400**
HH-SI 6/12KV 50A FC TA 292/56	6/12	292	56	50	1	HH-SI 6/12KV 50A FC TA 292/56	**67120-0500**
HH-SI 6/12KV 63A FC TA 292/65	6/12	292	65	63	1	HH-SI 6/12KV 63A FC TA 292/65	**67120-0630**
HH-SI 6/12KV 80A FC TA 292/65	6/12	292	65	80	1	HH-SI 6/12KV 80A FC TA 292/65	**67120-0800**
HH-SI 6/12KV 100A FC TA 292/78	6/12	292	78	100	1	HH-SI 6/12KV 100A FC TA 292/78	**67120-1000**
HH-SI 6/12KV 125A FC TA 292/88	6/12	292	88	125	1	HH-SI 6/12KV 125A FC TA 292/88	**67120-1250**
HH-SI 6/12KV 160A FC TA 292/88	6/12	292	88	160	1	HH-SI 6/12KV 160A FC TA 292/88	**67120-1600**
HH-SI 10/17,5KV 6,3A FC TA 367/56	10/17,5	367	56	6,3	1	HH-SI 10/17,5KV 6,3A FC TA 367/56	**67130-0060**
HH-SI 10/17,5KV 10A FC TA 367/56	10/17,5	367	56	10	1	HH-SI 10/17,5KV 10A FC TA 367/56	**67130-0100**
HH-SI 10/17,5KV 16A FC TA 367/56	10/17,5	367	56	16	1	HH-SI 10/17,5KV 16A FC TA 367/56	**67130-0160**
HH-SI 10/17,5KV 20A FC TA 367/56	10/17,5	367	56	20	1	HH-SI 10/17,5KV 20A FC TA 367/56	**67130-0200**
HH-SI 10/17,5KV 25A FC TA 367/56	10/17,5	367	56	25	1	HH-SI 10/17,5KV 25A FC TA 367/56	**67130-0250**
HH-SI 10/17,5KV 30A FC TB 367/56	10/17,5	367	56	30	1	HH-SI 10/17,5KV 30A FC TB 367/56	**67130-0300**
HH-SI 10/17,5KV 31,5A FC TA 367/56	10/17,5	367	56	31,5	1	HH-SI 10/17,5KV 31,5A FC TA 367/56	**67130-0320**
HH-SI 10/17,5KV 40A FC TA 367/56	10/17,5	367	56	40	1	HH-SI 10/17,5KV 40A FC TA 367/56	**67130-0400**
HH-SI 10/17,5KV 50A FC TA 367/78	10/17,5	367	78	50	1	HH-SI 10/17,5KV 50A FC TA 367/78	**67130-0500**
HH-SI 10/17,5KV 63A FC TA 367/78	10/17,5	367	78	63	1	HH-SI 10/17,5KV 63A FC TA 367/78	**67130-0630**
HH-SI 10/17,5KV 80A FC TA 367/78	10/17,5	367	78	80	1	HH-SI 10/17,5KV 80A FC TA 367/78	**67130-0800**
HH-SI 10/17,5KV 100A FC TA 367/88	10/17,5	367	88	100	1	HH-SI 10/17,5KV 100A FC TA 367/88	**67130-1000**
HH-SI 10/24KV 6,3A FC TA 442/56	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC TA 442/56	**67140-0060**
HH-SI 10/24KV 10A FC TA 442/56	10/24	442	56	10	1	HH-SI 10/24KV 10A FC TA 442/56	**67140-0100**
HH-SI 10/24KV 16A FC TA 442/56	10/24	442	56	16	1	HH-SI 10/24KV 16A FC TA 442/56	**67140-0160**
HH-SI 10/24KV 20A FC TA 442/56	10/24	442	56	20	1	HH-SI 10/24KV 20A FC TA 442/56	**67140-0200**
HH-SI 10/24KV 25A FC TA 442/56	10/24	442	56	25	1	HH-SI 10/24KV 25A FC TA 442/56	**67140-0250**
HH-SI 10/24KV 31,5A FC TA 442/56	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC TA 442/56	**67140-0320**
HH-SI 10/24KV 40A FC TA 442/56	10/24	442	56	40	1	HH-SI 10/24KV 40A FC TA 442/56	**67140-0400**
HH-SI 10/24KV 50A FC TA 442/65	10/24	442	65	50	1	HH-SI 10/24KV 50A FC TA 442/65	**67140-0500**
HH-SI 10/24KV 63A FC TA 442/65	10/24	442	65	63	1	HH-SI 10/24KV 63A FC TA 442/65	**67140-0630**
HH-SI 10/24KV 80A FC TA 442/65	10/24	442	65	80	1	HH-SI 10/24KV 80A FC TA 442/65	**67140-0800**
HH-SI 10/24KV 100A FC TA 442/88	10/24	442	88	100	1	HH-SI 10/24KV 100A FC TA 442/88	**67140-1000**

HV Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1

▶ Technical data, page 101

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 20/36KV 6,3A FC TA 537/56	20/36	537	56	6,3	1	HH-SI 20/36KV 6,3A FC TA 537/56	**67150-0060**
HH-SI 20/36KV 10A FC TA 537/56	20/36	537	56	10	1	HH-SI 20/36KV 10A FC TA 537/56	**67150-0100**
HH-SI 20/36KV 16A FC TA 537/56	20/36	537	56	16	1	HH-SI 20/36KV 16A FC TA 537/56	**67150-0160**
HH-SI 20/36KV 20A FC TA 537/56	20/36	537	56	20	1	HH-SI 20/36KV 20A FC TA 537/56	**67150-0200**
HH-SI 20/36KV 25A FC TA 537/56	20/36	537	56	25	1	HH-SI 20/36KV 25A FC TA 537/56	**67150-0250**
HH-SI 20/36KV 31,5A FC TA 537/65	20/36	537	65	31,5	1	HH-SI 20/36KV 31,5A FC TA 537/65	**67150-0320**
HH-SI 20/36KV 40A FC TA 537/65	20/36	537	65	40	1	HH-SI 20/36KV 40A FC TA 537/65	**67150-0400**
HH-SI 20/36KV 50A FC TA 537/88	20/36	537	88	50	1	HH-SI 20/36KV 50A FC TA 537/88	**67150-0500**
HH-SI 20/36KV 63A FC TA 537/88	20/36	537	88	63	1	HH-SI 20/36KV 63A FC TA 537/88	**67150-0630**



67520-0100

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1 with controlled power dissipation (ÜLA)

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 6/12KV 10A FC ÜLA 292/56	6/12	292	56	10	1	HH-SI 6/12KV 10A FC ÜLA 292/56	**67520-0100**
HH-SI 6/12KV 16A FC ÜLA 292/56	6/12	292	56	16	1	HH-SI 6/12KV 16A FC ÜLA 292/56	**67520-0160**
HH-SI 6/12KV 20A FC ÜLA 292/56	6/12	292	56	20	1	HH-SI 6/12KV 20A FC ÜLA 292/56	**67520-0200**
HH-SI 6/12KV 25A FC ÜLA 292/56	6/12	292	56	25	1	HH-SI 6/12KV 25A FC ÜLA 292/56	**67520-0250**
HH-SI 6/12KV 31,5A FC ÜLA 292/56	6/12	292	56	31,5	1	HH-SI 6/12KV 31,5A FC ÜLA 292/56	**67520-0320**
HH-SI 6/12KV 40A FC ÜLA 292/56	6/12	292	56	40	1	HH-SI 6/12KV 40A FC ÜLA 292/56	**67520-0400**
HH-SI 6/12KV 50A FC ÜLA 292/56	6/12	292	56	50	1	HH-SI 6/12KV 50A FC ÜLA 292/56	**67520-0500**
HH-SI 6/12KV 63A FC ÜLA 292/65	6/12	292	65	63	1	HH-SI 6/12KV 63A FC ÜLA 292/65	**67520-0630**
HH-SI 6/12KV 80A FC ÜLA 292/65	6/12	292	65	80	1	HH-SI 6/12KV 80A FC ÜLA 292/65	**67520-0800**
HH-SI 6/12KV 100A FC ÜLA 292/65	6/12	292	65	100	1	HH-SI 6/12KV 100A FC ÜLA 292/65	**67520-1000**
HH-SI 6/12KV 125A FC ÜLA 292/88	6/12	292	88	125	1	HH-SI 6/12KV 125A FC ÜLA 292/88	**67520-1250**
HH-SI 6/12KV 160A FC ÜLA 292/88	6/12	292	88	160	1	HH-SI 6/12KV 160A FC ÜLA 292/88	**67520-1600**
HH-SI 10/24KV 6,3A FC ÜLA 442/56	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC ÜLA 442/56	**67541-0060**
HH-SI 10/24KV 10A FC ÜLA 442/56	10/24	442	56	10	1	HH-SI 10/24KV 10A FC ÜLA 442/56	**67541-0100**
HH-SI 10/24KV 16A FC ÜLA 442/56	10/24	442	56	16	1	HH-SI 10/24KV 16A FC ÜLA 442/56	**67541-0160**
HH-SI 10/24KV 20A FC ÜLA 442/56	10/24	442	56	20	1	HH-SI 10/24KV 20A FC ÜLA 442/56	**67541-0200**
HH-SI 10/24KV 25A FC ÜLA 442/56	10/24	442	56	25	1	HH-SI 10/24KV 25A FC ÜLA 442/56	**67541-0250**
HH-SI 10/24KV 31,5A FC ÜLA 442/56	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC ÜLA 442/56	**67541-0320**
HH-SI 10/24KV 40A FC ÜLA 442/56	10/24	442	56	40	1	HH-SI 10/24KV 40A FC ÜLA 442/56	**67541-0400**
HH-SI 10/24KV 50A FC ÜLA 442/65	10/24	442	65	50	1	HH-SI 10/24KV 50A FC ÜLA 442/65	**67541-0500**
HH-SI 10/24KV 63A FC ÜLA 442/65	10/24	442	65	63	1	HH-SI 10/24KV 63A FC ÜLA 442/65	**67541-0630**
HH-SI 10/24KV 80A FC ÜLA 442/65	10/24	442	65	80	1	HH-SI 10/24KV 80A FC ÜLA 442/65	**67541-0800**
HH-SI 10/24KV 100A FC ÜLA 442/88	10/24	442	88	100	1	HH-SI 10/24KV 100A FC ÜLA 442/88	**67541-1000**
HH-SI 20/36KV 6,3A FC ÜLA 537/56	20/36	537	56	6,3	1	HH-SI 20/36KV 6,3A FC ÜLA 537/56	**67550-0060**
HH-SI 20/36KV 10A FC ÜLA 537/56	20/36	537	56	10	1	HH-SI 20/36KV 10A FC ÜLA 537/56	**67550-0100**
HH-SI 20/36KV 16A FC ÜLA 537/56	20/36	537	56	16	1	HH-SI 20/36KV 16A FC ÜLA 537/56	**67550-0160**
HH-SI 20/36KV 20A FC ÜLA 537/56	20/36	537	56	20	1	HH-SI 20/36KV 20A FC ÜLA 537/56	**67550-0200**
HH-SI 20/36KV 25A FC ÜLA 537/56	20/36	537	56	25	1	HH-SI 20/36KV 25A FC ÜLA 537/56	**67550-0250**
HH-SI 20/36KV 31,5A FC ÜLA 537/65	20/36	537	65	31,5	1	HH-SI 20/36KV 31,5A FC ÜLA 537/65	**67550-0320**
HH-SI 20/36KV 40A FC ÜLA 537/65	20/36	537	65	40	1	HH-SI 20/36KV 40A FC ÜLA 537/65	**67550-0400**
HH-SI 20/36KV 50A FC ÜLA 537/88	20/36	537	88	50	1	HH-SI 20/36KV 50A FC ÜLA 537/88	**67550-0500**
HH-SI 10/24KV 6,3A FC ÜLA+ 442/56 K44,8	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC ÜLA+ 442/56 K44,8	**67543-0060**
HH-SI 10/24KV 10A FC ÜLA+ 442/56 K44,8	10/24	442	56	10	1	HH-SI 10/24KV 10A FC ÜLA+ 442/56 K44,8	**67543-0100**
HH-SI 10/24KV 16A FC ÜLA+ 442/56 K44,8	10/24	442	56	16	1	HH-SI 10/24KV 16A FC ÜLA+ 442/56 K44,8	**67543-0160**
HH-SI 10/24KV 20A FC ÜLA+ 442/56 K44,8	10/24	442	56	20	1	HH-SI 10/24KV 20A FC ÜLA+ 442/56 K44,8	**67543-0200**
HH-SI 10/24KV 25A FC ÜLA+ 442/56 K44,8	10/24	442	56	25	1	HH-SI 10/24KV 25A FC ÜLA+ 442/56 K44,8	**67543-0250**
HH-SI 10/24KV 31,5A FC ÜLA+ 442/56 K44,8	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC ÜLA+ 442/56 K44,8	**67543-0320**
HH-SI 10/24KV 40A FC ÜLA+ 442/56 K44,8	10/24	442	56	40	1	HH-SI 10/24KV 40A FC ÜLA+ 442/56 K44,8	**67543-0400**
HH-SI 10/24KV 50A FC ÜLA+ 442/65 K44,8	10/24	442	65	50	1	HH-SI 10/24KV 50A FC ÜLA+ 442/65 K44,8	**67543-0500**
HH-SI 10/24KV 63A FC ÜLA+ 442/65 K44,8	10/24	442	65	63	1	HH-SI 10/24KV 63A FC ÜLA+ 442/65 K44,8	**67542-0630**
HH-SI 10/24KV 63A FC ÜLA+ 442/78 K44,8	10/24	442	78	63	1	HH-SI 10/24KV 63A FC ÜLA+ 442/78 K44,8	**67543-0630**
HH-SI 10/24KV 80A FC ÜLA+ 442/78 K44,8	10/24	442	78	80	1	HH-SI 10/24KV 80A FC ÜLA+ 442/78 K44,8	**67543-0800**
HH-SI 10/24KV 100A FC ÜLA+ 442/88 K44,8	10/24	442	88	100	1	HH-SI 10/24KV 100A FC ÜLA+ 442/88 K44,8	**67543-1000**
HH-SI 10/24KV 125A FC ÜLA+ 442/88 K44,8	10/24	442	88	125	1	HH-SI 10/24KV 125A FC ÜLA+ 442/88 K44,8	**67543-1250**

EFEN

IN THE LINE OF POWER

HV Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1

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67543-0060

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60282-1 with controlled power dissipation (ÜLA Plus)

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 10/24KV 6,3A FC ÜLA+ 442/56 K44,8	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC ÜLA+ 442/56 K44,8	**67543-0060**
HH-SI 10/24KV 10A FC ÜLA+ 442/56 K44,8	10/24	442	56	10	1	HH-SI 10/24KV 10A FC ÜLA+ 442/56 K44,8	**67543-0100**
HH-SI 10/24KV 16A FC ÜLA+ 442/56 K44,8	10/24	442	56	16	1	HH-SI 10/24KV 16A FC ÜLA+ 442/56 K44,8	**67543-0160**
HH-SI 10/24KV 20A FC ÜLA+ 442/56 K44,8	10/24	442	56	20	1	HH-SI 10/24KV 20A FC ÜLA+ 442/56 K44,8	**67543-0200**
HH-SI 10/24KV 25A FC ÜLA+ 442/56 K44,8	10/24	442	56	25	1	HH-SI 10/24KV 25A FC ÜLA+ 442/56 K44,8	**67543-0250**
HH-SI 10/24KV 31,5A FC ÜLA+ 442/56 K44,8	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC ÜLA+ 442/56 K44,8	**67543-0320**
HH-SI 10/24KV 40A FC ÜLA+ 442/56 K44,8	10/24	442	56	40	1	HH-SI 10/24KV 40A FC ÜLA+ 442/56 K44,8	**67543-0400**
HH-SI 10/24KV 50A FC ÜLA+ 442/65 K44,8	10/24	442	65	50	1	HH-SI 10/24KV 50A FC ÜLA+ 442/65 K44,8	**67543-0500**
HH-SI 10/24KV 63A FC ÜLA+ 442/65 K44,8	10/24	442	65	63	1	HH-SI 10/24KV 63A FC ÜLA+ 442/65 K44,8	**67542-0630**
HH-SI 10/24KV 63A FC ÜLA+ 442/78 K44,8	10/24	442	78	63	1	HH-SI 10/24KV 63A FC ÜLA+ 442/78 K44,8	**67543-0630**
HH-SI 10/24KV 80A FC ÜLA+ 442/78 K44,8	10/24	442	78	80	1	HH-SI 10/24KV 80A FC ÜLA+ 442/78 K44,8	**67543-0800**
HH-SI 10/24KV 100A FC ÜLA+ 442/88 K44,8	10/24	442	88	100	1	HH-SI 10/24KV 100A FC ÜLA+ 442/88 K44,8	**67543-1000**
HH-SI 10/24KV 125A FC ÜLA+ 442/88 K44,8	10/24	442	88	125	1	HH-SI 10/24KV 125A FC ÜLA+ 442/88 K44,8	**67543-1250**
HH-SI 20/36KV 6,3A FC ÜLA+ 537/56 K44,8	20/36	537	56	6,3	1	HH-SI 20/36KV 6,3A FC ÜLA+ 537/56 K44,8	**67553-0060**
HH-SI 20/36KV 10A FC ÜLA+ 537/56 K44,8	20/36	537	56	10	1	HH-SI 20/36KV 10A FC ÜLA+ 537/56 K44,8	**67553-0100**
HH-SI 20/36KV 16A FC ÜLA+ 537/56 K44,8	20/36	537	56	16	1	HH-SI 20/36KV 16A FC ÜLA+ 537/56 K44,8	**67553-0160**
HH-SI 20/36KV 20A FC ÜLA+ 537/56 K44,8	20/36	537	56	20	1	HH-SI 20/36KV 20A FC ÜLA+ 537/56 K44,8	**67553-0200**
HH-SI 20/36KV 25A FC ÜLA+ 537/56 K44,8	20/36	537	56	25	1	HH-SI 20/36KV 25A FC ÜLA+ 537/56 K44,8	**67553-0250**
HH-SI 20/36KV 31,5A FC ÜLA+ 537/65 K44,8	20/36	537	65	31,5	1	HH-SI 20/36KV 31,5A FC ÜLA+ 537/65 K44,8	**67553-0320**
HH-SI 20/36KV 40A FC ÜLA+ 537/65 K44,8	20/36	537	65	40	1	HH-SI 20/36KV 40A FC ÜLA+ 537/65 K44,8	**67553-0400**
HH-SI 20/36KV 50A FC ÜLA+ 537/88 K44,8	20/36	537	88	50	1	HH-SI 20/36KV 50A FC ÜLA+ 537/88 K44,8	**67553-0500**
HH-SI 20/36KV 63A FC ÜLA+ 537/88 K44,8	20/36	537	88	63	1	HH-SI 20/36KV 63A FC ÜLA+ 537/88 K44,8	**67553-0630**
HH-SI 20/36KV 80A FC ÜLA+ 537/88 K44,8	20/36	537	88	80	1	HH-SI 20/36KV 80A FC ÜLA+ 537/88 K44,8	**67553-0800**



67420-0060

HV general-purpose Fuse-Links

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 6/12KV 6,3A FC VB 292/65	6/12	292	65	6,3	1	HH-SI 6/12KV 6,3A FC VB 292/65	**67420-0060**
HH-SI 6/12KV 16A FC VB 292/65	6/12	292	65	16	1	HH-SI 6/12KV 16A FC VB 292/65	**67420-0160**
HH-SI 6/12KV 25A FC VB 292/65	6/12	292	65	25	1	HH-SI 6/12KV 25A FC VB 292/65	**67420-0250**
HH-SI 6/12KV 40A FC VB 292/78	6/12	292	78	40	1	HH-SI 6/12KV 40A FC VB 292/78	**67420-0400**
HH-SI 6/12KV 50A FC VB 292/88	6/12	292	88	50	1	HH-SI 6/12KV 50A FC VB 292/88	**67420-0500**
HH-SI 10/24KV 4A FC VB 442/78	10/24	442	78	4,0	1	HH-SI 10/24KV 4A FC VB 442/78	**67440-0040**
HH-SI 10/24KV 6,3A FC VB 442/78	10/24	442	78	6,3	1	HH-SI 10/24KV 6,3A FC VB 442/78	**67440-0060**
HH-SI 10/24KV 10A FC VB 442/78	10/24	442	78	10	1	HH-SI 10/24KV 10A FC VB 442/78	**67440-0100**
HH-SI 10/24KV 16A FC VB 442/78	10/24	442	78	16	1	HH-SI 10/24KV 16A FC VB 442/78	**67440-0160**
HH-SI 10/24KV 25A FC VB 442/88	10/24	442	88	25	1	HH-SI 10/24KV 25A FC VB 442/88	**67440-0250**

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HV Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

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67220-0400

HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 3/7,2KV 2A FC TB 192/56	3/7,2	192	56	2	1	HH-SI 3/7,2KV 2A FC TB 192/56	**67210-0020**
HH-SI 3/7,2KV 4A FC TB 192/56	3/7,2	192	56	4	1	HH-SI 3/7,2KV 4A FC TB 192/56	**67210-0040**
HH-SI 3/7,2KV 63A FC TB 192/65	3/7,2	192	65	63	1	HH-SI 3/7,2KV 63A FC TB 192/65	**67210-0630**
HH-SI 3/7,2KV 80A FC TB 192/65	3/7,2	192	65	80	1	HH-SI 3/7,2KV 80A FC TB 192/65	**67210-0800**
HH-SI 3/7,2KV 100A FC TB 192/65	3/7,2	192	65	100	1	HH-SI 3/7,2KV 100A FC TB 192/65	**67210-1000**
HH-SI 3/7,2KV 160A FC TB 192/88	3/7,2	192	88	160	1	HH-SI 3/7,2KV 160A FC TB 192/88	**67210-1600**
HH-SI 3/7,2KV 200A FC TB 192/88	3/7,2	192	88	200	1	HH-SI 3/7,2KV 200A FC TB 192/88	**67210-2000**
HH-SI 6/12KV 1A FC TB 292/56	6/12	292	56	1	1	HH-SI 6/12KV 1A FC TB 292/56	**67220-0010**
HH-SI 6/12KV 2A FC TB 292/56	6/12	292	56	2	1	HH-SI 6/12KV 2A FC TB 292/56	**67220-0020**
HH-SI 6/12KV 4A FC TB 292/56	6/12	292	56	4	1	HH-SI 6/12KV 4A FC TB 292/56	**67220-0040**
HH-SI 6/12KV 6,3A FC TB 292/56	6/12	292	56	6,3	1	HH-SI 6/12KV 6,3A FC TB 292/56	**67220-0060**
HH-SI 6/12KV 10A FC TB 292/56	6/12	292	56	10	1	HH-SI 6/12KV 10A FC TB 292/56	**67220-0100**
HH-SI 6/12KV 16A FC TB 292/56	6/12	292	56	16	1	HH-SI 6/12KV 16A FC TB 292/56	**67220-0160**
HH-SI 6/12KV 20A FC TB 292/56	6/12	292	56	20	1	HH-SI 6/12KV 20A FC TB 292/56	**67220-0200**
HH-SI 6/12KV 25A FC TB 292/56	6/12	292	56	25	1	HH-SI 6/12KV 25A FC TB 292/56	**67220-0250**
HH-SI 6/12KV 31,5A FC TB 292/56	6/12	292	56	31,5	1	HH-SI 6/12KV 31,5A FC TB 292/56	**67220-0320**
HH-SI 6/12KV 40A FC TB 292/56	6/12	292	56	40	1	HH-SI 6/12KV 40A FC TB 292/56	**67220-0400**
HH-SI 6/12KV 50A FC TB 292/56	6/12	292	56	50	1	HH-SI 6/12KV 50A FC TB 292/56	**67220-0500**
HH-SI 6/12KV 63A FC TB 292/56	6/12	292	56	63	1	HH-SI 6/12KV 63A FC TB 292/56	**67220-0630**
HH-SI 6/12KV 80A FC TB 292/65	6/12	292	65	80	1	HH-SI 6/12KV 80A FC TB 292/65	**67220-0800**
HH-SI 6/12KV 100A FC TB 292/65	6/12	292	65	100	1	HH-SI 6/12KV 100A FC TB 292/65	**67220-1000**
HH-SI 6/12KV 125A FC TB 292/88	6/12	292	88	125	1	HH-SI 6/12KV 125A FC TB 292/88	**67220-1250**
HH-SI 6/12KV 160A FC TB 292/88	6/12	292	88	160	1	HH-SI 6/12KV 160A FC TB 292/88	**67220-1600**
HH-SI 6/12KV 200A FC TB 292/88	6/12	292	88	200	1	HH-SI 6/12KV 200A FC TB 292/88	**67220-2000**
HH-SI 6/12KV 250A FC TB 292/88	6/12	292	88	250	1	HH-SI 6/12KV 250A FC TB 292/88	**67220-2500**
HH-SI 10/17,5KV 2A FC TB 367/56	10/17,5	367	56	2	1	HH-SI 10/17,5KV 2A FC TB 367/56	**67230-0020**
HH-SI 10/17,5KV 4A FC TB 367/56	10/17,5	367	56	4	1	HH-SI 10/17,5KV 4A FC TB 367/56	**67230-0040**
HH-SI 10/17,5KV 50A FC TB 367/65	10/17,5	367	65	50	1	HH-SI 10/17,5KV 50A FC TB 367/65	**67230-0500**
HH-SI 10/17,5KV 63A FC TB 367/65	10/17,5	367	65	63	1	HH-SI 10/17,5KV 63A FC TB 367/65	**67230-0630**
HH-SI 10/17,5KV 80A FC TB 367/65	10/17,5	367	65	80	1	HH-SI 10/17,5KV 80A FC TB 367/65	**67230-0800**
HH-SI 10/17,5KV 100A FC TB 367/65	10/17,5	367	65	100	1	HH-SI 10/17,5KV 100A FC TB 367/65	**67230-1000**
HH-SI 10/24KV 1A FC TB 442/56	10/24	442	56	1	1	HH-SI 10/24KV 1A FC TB 442/56	**67240-0010**
HH-SI 10/24KV 2A FC TB 442/56	10/24	442	56	2	1	HH-SI 10/24KV 2A FC TB 442/56	**67240-0020**
HH-SI 10/24KV 4A FC TB 442/56	10/24	442	56	4	1	HH-SI 10/24KV 4A FC TB 442/56	**67240-0040**
HH-SI 10/24KV 6,3A FC TB 442/56	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC TB 442/56	**67240-0060**
HH-SI 10/24KV 10A FC TB 442/56	10/24	442	56	10	1	HH-SI 10/24KV 10A FC TB 442/56	**67240-0100**
HH-SI 10/24KV 16A FC TB 442/56	10/24	442	56	16	1	HH-SI 10/24KV 16A FC TB 442/56	**67240-0160**
HH-SI 10/24KV 20A FC TB 442/56	10/24	442	56	20	1	HH-SI 10/24KV 20A FC TB 442/56	**67240-0200**
HH-SI 10/24KV 25A FC TB 442/56	10/24	442	56	25	1	HH-SI 10/24KV 25A FC TB 442/56	**67240-0250**
HH-SI 10/24KV 31,5A FC TB 442/56	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC TB 442/56	**67240-0320**
HH-SI 10/24KV 40A FC TB 442/56	10/24	442	56	40	1	HH-SI 10/24KV 40A FC TB 442/56	**67240-0400**
HH-SI 10/24KV 50A FC TB 442/56	10/24	442	56	50	1	HH-SI 10/24KV 50A FC TB 442/56	**67240-0500**
HH-SI 10/24KV 63A FC TB 442/65	10/24	442	65	63	1	HH-SI 10/24KV 63A FC TB 442/65	**67240-0630**
HH-SI 10/24KV 80A FC TB 442/65	10/24	442	65	80	1	HH-SI 10/24KV 80A FC TB 442/65	**67240-0800**
HH-SI 10/24KV 100A FC TB 442/78	10/24	442	78	100	1	HH-SI 10/24KV 100A FC TB 442/78	**67240-1000**
HH-SI 10/24KV 125A FC TB 442/88	10/24	442	88	125	1	HH-SI 10/24KV 125A FC TB 442/88	**67240-1250**
HH-SI 10/24KV 160A FC TB 442/88	10/24	442	88	160	1	HH-SI 10/24KV 160A FC TB 442/88	**67240-1600**
HH-SI 20/36KV 2A FC TB 537/56	20/36	537	56	2	1	HH-SI 20/36KV 2A FC TB 537/56	**67250-0020**
HH-SI 20/36KV 4A FC TB 537/56	20/36	537	56	4	1	HH-SI 20/36KV 4A FC TB 537/56	**67250-0040**
HH-SI 20/36KV 6,3A FC TA 537/56	20/36	537	56	6,3	1	HH-SI 20/36KV 6,3A FC TA 537/56	**67150-0060**
HH-SI 20/36KV 10A FC TA 537/56	20/36	537	56	10	1	HH-SI 20/36KV 10A FC TA 537/56	**67150-0100**
HH-SI 20/36KV 16A FC TA 537/56	20/36	537	56	16	1	HH-SI 20/36KV 16A FC TA 537/56	**67150-0160**
HH-SI 20/36KV 20A FC TA 537/56	20/36	537	56	20	1	HH-SI 20/36KV 20A FC TA 537/56	**67150-0200**
HH-SI 20/36KV 25A FC TA 537/56	20/36	537	56	25	1	HH-SI 20/36KV 25A FC TA 537/56	**67150-0250**
HH-SI 20/36KV 31,5A FC TA 537/65	20/36	537	65	31,5	1	HH-SI 20/36KV 31,5A FC TA 537/65	**67150-0320**
HH-SI 20/36KV 40A FC TA 537/65	20/36	537	65	40	1	HH-SI 20/36KV 40A FC TA 537/65	**67150-0400**
HH-SI 20/36KV 50A FC TA 537/88	20/36	537	88	50	1	HH-SI 20/36KV 50A FC TA 537/88	**67150-0500**
HH-SI 20/36KV 63A FC TA 537/88	20/36	537	88	63	1	HH-SI 20/36KV 63A FC TA 537/88	**67150-0630**

HV Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

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67520-0100

HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 with controlled power dissipation (ÜLA)

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 6/12KV 1A FC TB ÜLA 292/56	6/12	292	56	1	1	HH-SI 6/12KV 1A FC TB ÜLA 292/56	**67220-0019**
HH-SI 6/12KV 2A FC TB ÜLA 292/56	6/12	292	56	2	1	HH-SI 6/12KV 2A FC TB ÜLA 292/56	**67220-0029**
HH-SI 6/12KV 4A FC TB ÜLA 292/56	6/12	292	56	4	1	HH-SI 6/12KV 4A FC TB ÜLA 292/56	**67220-0049**
HH-SI 6/12KV 6,3A FC TB ÜLA 292/56	6/12	292	56	6,3	1	HH-SI 6/12KV 6,3A FC TB ÜLA 292/56	**67220-0069**
HH-SI 6/12KV 10A FC TB ÜLA 292/56	6/12	292	56	10	1	HH-SI 6/12KV 10A FC TB ÜLA 292/56	**67220-0109**
HH-SI 6/12KV 16A FC TB ÜLA 292/56	6/12	292	56	16	1	HH-SI 6/12KV 16A FC TB ÜLA 292/56	**67220-0169**
HH-SI 6/12KV 20A FC TB ÜLA 292/56	6/12	292	56	20	1	HH-SI 6/12KV 20A FC TB ÜLA 292/56	**67220-0209**
HH-SI 6/12KV 25A FC TB ÜLA 292/56	6/12	292	56	25	1	HH-SI 6/12KV 25A FC TB ÜLA 292/56	**67220-0259**
HH-SI 6/12KV 31,5A FC TB ÜLA 292/56	6/12	292	56	31,5	1	HH-SI 6/12KV 31,5A FC TB ÜLA 292/56	**67220-0329**
HH-SI 6/12KV 40A FC TB ÜLA 292/56	6/12	292	56	40	1	HH-SI 6/12KV 40A FC TB ÜLA 292/56	**67220-0409**
HH-SI 6/12KV 50A FC TB ÜLA 292/56	6/12	292	56	50	1	HH-SI 6/12KV 50A FC TB ÜLA 292/56	**67220-0509**
HH-SI 6/12KV 63A FC TB ÜLA 292/56	6/12	292	56	63	1	HH-SI 6/12KV 63A FC TB ÜLA 292/56	**67220-0639**
HH-SI 6/12KV 80A FC TB ÜLA 292/65	6/12	292	65	80	1	HH-SI 6/12KV 80A FC TB ÜLA 292/65	**67220-0809**
HH-SI 6/12KV 100A FC TB ÜLA 292/65	6/12	292	65	100	1	HH-SI 6/12KV 100A FC TB ÜLA 292/65	**67220-1009**
HH-SI 6/12KV 125A FC TB ÜLA 292/88	6/12	292	88	125	1	HH-SI 6/12KV 125A FC TB ÜLA 292/88	**67220-1259**
HH-SI 6/12KV 160A FC TB ÜLA 292/88	6/12	292	88	160	1	HH-SI 6/12KV 160A FC TB ÜLA 292/88	**67220-1609**
HH-SI 6/12KV 200A FC TB ÜLA 292/88	6/12	292	88	200	1	HH-SI 6/12KV 200A FC TB ÜLA 292/88	**67220-2009**
HH-SI 10/24KV 1A FC TB ÜLA 442/56	10/24	442	56	1	1	HH-SI 10/24KV 1A FC TB ÜLA 442/56	**67240-0019**
HH-SI 10/24KV 2A FC TB ÜLA 442/56	10/24	442	56	2	1	HH-SI 10/24KV 2A FC TB ÜLA 442/56	**67240-0029**
HH-SI 10/24KV 4A FC TB ÜLA 442/56	10/24	442	56	4	1	HH-SI 10/24KV 4A FC TB ÜLA 442/56	**67240-0049**
HH-SI 10/24KV 6,3A FC TB ÜLA 442/56	10/24	442	56	6,3	1	HH-SI 10/24KV 6,3A FC TB ÜLA 442/56	**67240-0069**
HH-SI 10/24KV 10A FC TB ÜLA 442/56	10/24	442	56	10	1	HH-SI 10/24KV 10A FC TB ÜLA 442/56	**67240-0109**
HH-SI 10/24KV 16A FC TB ÜLA 442/56	10/24	442	56	16	1	HH-SI 10/24KV 16A FC TB ÜLA 442/56	**67240-0169**
HH-SI 10/24KV 20A FC TB ÜLA 442/56	10/24	442	56	20	1	HH-SI 10/24KV 20A FC TB ÜLA 442/56	**67240-0209**
HH-SI 10/24KV 25A FC TB ÜLA 442/56	10/24	442	56	25	1	HH-SI 10/24KV 25A FC TB ÜLA 442/56	**67240-0259**
HH-SI 10/24KV 31,5A FC TB ÜLA 442/56	10/24	442	56	31,5	1	HH-SI 10/24KV 31,5A FC TB ÜLA 442/56	**67240-0329**
HH-SI 10/24KV 40A FC TB ÜLA 442/56	10/24	442	56	40	1	HH-SI 10/24KV 40A FC TB ÜLA 442/56	**67240-0409**
HH-SI 10/24KV 50A FC TB ÜLA 442/56	10/24	442	56	50	1	HH-SI 10/24KV 50A FC TB ÜLA 442/56	**67240-0509**
HH-SI 10/24KV 63A FC TB ÜLA 442/56	10/24	442	65	63	1	HH-SI 10/24KV 63A FC TB ÜLA 442/65	**67240-0639**
HH-SI 10/24KV 80A FC TB ÜLA 442/65	10/24	442	65	80	1	HH-SI 10/24KV 80A FC TB ÜLA 442/65	**67240-0809**
HH-SI 10/24KV 100A FC TB ÜLA 442/78	10/24	442	78	100	1	HH-SI 10/24KV 100A FC TB ÜLA 442/78	**67240-1009**

HV Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

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67004-0100

HV back-up Fuse-Links 6/12 kV with a length “e” of 442 mm (24-kV tube)

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 6/12KV 1A FC TB 442/56	6/12	442	56	1	1	HH-SI 6/12KV 1A FC TB 442/56	**67004-0010**
HH-SI 6/12KV 2A FC TB 442/56	6/12	442	56	2	1	HH-SI 6/12KV 2A FC TB 442/56	**67004-0020**
HH-SI 6/12KV 4A FC TB 442/56	6/12	442	56	4	1	HH-SI 6/12KV 4A FC TB 442/56	**67004-0040**
HH-SI 6/12KV 6,3A FC TB 442/56	6/12	442	56	6,3	1	HH-SI 6/12KV 6,3A FC TB 442/56	**67004-0060**
HH-SI 6/12KV 10A FC TB 442/56	6/12	442	56	10	1	HH-SI 6/12KV 10A FC TB 442/56	**67004-0100**
HH-SI 6/12KV 16A FC TB 442/56	6/12	442	56	16	1	HH-SI 6/12KV 16A FC TB 442/56	**67004-0160**
HH-SI 6/12KV 20A FC TB 442/56	6/12	442	56	20	1	HH-SI 6/12KV 20A FC TB 442/56	**67004-0200**
HH-SI 6/12KV 25A FC TB 442/56	6/12	442	56	25	1	HH-SI 6/12KV 25A FC TB 442/56	**67004-0250**
HH-SI 6/12KV 31,5A FC TB 442/56	6/12	442	56	31,5	1	HH-SI 6/12KV 31,5A FC TB 442/56	**67004-0320**
HH-SI 6/12KV 40A FC TB 442/56	6/12	442	56	40	1	HH-SI 6/12KV 40A FC TB 442/56	**67004-0400**
HH-SI 6/12KV 50A FC TB 442/56	6/12	442	56	50	1	HH-SI 6/12KV 50A FC TB 442/56	**67004-0500**
HH-SI 6/12KV 63A FC TB 442/56	6/12	442	56	63	1	HH-SI 6/12KV 63A FC TB 442/56	**67004-0630**
HH-SI 6/12KV 80A FC TB 442/65	6/12	442	65	80	1	HH-SI 6/12KV 80A FC TB 442/65	**67004-0800**
HH-SI 6/12KV 100A FC TB 442/65	6/12	442	65	100	1	HH-SI 6/12KV 100A FC TB 442/65	**67004-1000**
HH-SI 6/12KV 125A FC TB 442/88	6/12	442	88	125	1	HH-SI 6/12KV 125A FC TB 442/88	**67004-1250**
HH-SI 6/12KV 160A FC TB 442/88	6/12	442	88	160	1	HH-SI 6/12KV 160A FC TB 442/88	**67004-1600**
HH-SI 6/12KV 200A FC TB 442/88	6/12	442	88	200	1	HH-SI 6/12KV 200A FC TB 442/88	**67004-2000**



67004-0019

HV back-up Fuse-Links 6/12 kV with a length “e” of 442 mm (24-kV tube) with controlled power dissipation (ÜLA)

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
HH-SI 6/12KV 10A FC TB 442/56 ÜLA	6/12	442	56	10	1	HH-SI 6/12KV 10A FC TB 442/56 ÜLA	**67004-0109**
HH-SI 6/12KV 20A FC TB 442/56 ÜLA	6/12	442	56	20	1	HH-SI 6/12KV 20A FC TB 442/56 ÜLA	**67004-0209**
HH-SI 6/12KV 16A FC TB 442/56 ÜLA	6/12	442	56	16	1	HH-SI 6/12KV 16A FC TB 442/56 ÜLA	**67004-0169**
HH-SI 6/12KV 31,5A FC TB 442/56 ÜLA	6/12	442	56	31,5	1	HH-SI 6/12KV 16A FC TB 442/56 ÜLA	**67004-0329**
HH-SI 6/12KV 25A FC TB 442/56 ÜLA	6/12	442	56	25	1	HH-SI 6/12KV 25A FC TB 442/56 ÜLA	**67004-0259**
HH-SI 6/12KV 40A FC TB 442/56 ÜLA	6/12	442	56	40	1	HH-SI 6/12KV 40A FC TB 442/56 ÜLA	**67004-0409**
HH-SI 6/12KV 50A FC TB 442/56 ÜLA	6/12	442	56	50	1	HH-SI 6/12KV 50A FC TB 442/56 ÜLA	**67004-0509**
HH-SI 6/12KV 63A FC TB 442/56 ÜLA	6/12	442	56	63	1	HH-SI 6/12KV 63A FC TB 442/56 ÜLA	**67004-0639**
HH-SI 6/12KV 80A FC TB 442/65 ÜLA	6/12	442	65	80	1	HH-SI 6/12KV 80A FC TB 442/65 ÜLA	**67004-0809**
HH-SI 6/12KV 100A FC TB 442/65 ÜLA	6/12	442	65	100	1	HH-SI 6/12KV 100A FC TB 442/65 ÜLA	**67004-1009**
HH-SI 6/12KV 125A FC TB 442/88 ÜLA	6/12	442	88	125	1	HH-SI 6/12KV 125A FC TB 442/88 ÜLA	**67004-1259**
HH-SI 6/12KV 160A FC TB 442/88 ÜLA	6/12	442	88	160	1	HH-SI 6/12KV 160A FC TB 442/88 ÜLA	**67004-1609**

Test devices and HV Fuse-Links for voltage transformers

▶ Technical data, page 92, 107



68013-0020

Test device for tripping medium voltage switches

Designation	Rated volt. kV	Length Ø	Amps PU	Product designation	Order no.
Test device 192 mm, 65 Nm	7,2	192	1	PRÜFSICHERUNG 65N e/D = 192mm	**68013-0020**
Extension to 292 mm	12	292	1	VERLÄNGER. F. PRÜFSICHERUNG 12KV e/D=292	**68014-0010**
Extension to 442 mm	24	442	1	VERLÄNGER. F. PRÜFSICHERUNG 24KV e/D=442	**68015-0010**



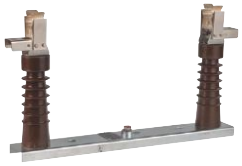
67036-0003

High-voltage Fuse-Links for high-voltage transformer “HSW” acc. to VDE 0670 T4 / IEC 60 282-1

Designation	Rated volt. kV	Length Ø		Amps PU		Product designation	Order no.
Without indicator	6/12	160	22	1,25	1	HSW 6/12KV OHNE ANZEIGER	**67036-0003**
Without indicator	15/24	280	22	1,25	1	HSW 15/24KV OHNE ANZEIGER	**67037-0003**
Without indicator	20/36	421	37	1,00	1	HSW 20/36KV OHNE ANZEIGER	**67088-0003**
With indicator	6/12	160	22	1,6	1	HSW 6/12KV	**67036-0004**
With indicator	15/24	280	22	1,4	1	HSW 15/24KV	**67037-0004**

Accessories for HV Fuse-Links

▶ Technical data, page 106



68007-0010

HV fuse base acc. to DIN 43 624 for indoor use

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
Fuse base	12	293	45		1	HH-SICHERUNGSTRÄGER 12KV INNENRAUM BZM	**68007-0010**
Fuse base	24	443	45		1	HH-SICHERUNGSTRÄGER 24KV INNENRAUM BZM	**68008-0010**
Fuse base	36	538	45		1	HH-SICHERUNGSTRÄGER 36KV INNENRAUM BZM	**68012-0010**
Fuse base	7,2	193	45		1	HH-SICHERUNGSTRÄGER 7,2KV INNENRAUM BZM	**68021-0010**



68016-0010

Fuse base contacts, 200 A rated current, for indoor use

Designation	Amps	PU	Product designation	Order no.
Fuse base contacts	200	1	RUNDKONTAKT NBF MIT ANSCHLUSSMATERIAL	**68016-0010**
Fuse base contact with anti-vibration bracket	200	1	Rundkontakt mit Bügel für Rüttelsicherheit	**68005-0010**

Fuse base contacts, 200 A rated current, for outdoor use

Designation	Amps	PU	Product designation	Order no.
Fuse base contacts	200	1	RUNDKONTAKT FREILUFT	**81931-0100**

HSW-fuse holder

Designation	PU	Product designation	Order no.
HSW FUSE HOLDER	1	HSW-SICHERUNGSHALTER / FUSE HOLDER	**68022-0010**



67033-0003

HV solid links

Designation	Rated volt. kV	Length	Ø	Amps	PU	Product designation	Order no.
Solid link 292/51	12	292	51		1	DURCHSCHALTEINSATZ 12KV 292/51	**67033-0003**
Solid link 442/51	24	442	51		1	DURCHSCHALTEINSATZ 24KV 442/51	**67034-0003**



68003-0100

Adapter for high-voltage Fuse-Links acc. to DIN 43 625

Features:
- For use of 292-mm (12-kV) fuse-links in 442-mm (24-kV) systems
- For HV fuse-links with grooved cap only

Designation	Ø	Amps	PU	Product designation	Order no.
Adapter	45	200	1	ADAPTER FÜR HH-SI IN SENKR. MONTAGE	**68003-0100**
Adapter HV-SI 44.8			1	Adapter HH-SI 44,8	**68003-0200**



68004-0010

Wall rack

Features:
- Holds 3 HV fuse-links

Designation	Amps	PU	Product designation	Order no.
Wall rack		2	WANDHALTERUNG FÜR HH-SICHE-RUNGEN	**68004-0010**

HV Fuse-Links
General remarks

General information
HV fuse-links have been ensuring reliable protection in medium-voltage substations and grids for decades. They protect systems and equipment against the thermal and dynamic effects of short-circuits.
EFEN HV fuse-links provide the following significant features:
- High breaking capacity
- High current limitation
- Low switching voltage
- Quick breaking
- Non-ageing

EFEN HV fuse-links comply with the following standards:
- VDE 0670 T4 / IEC 60 282-1: High-voltage “current-limiting fuses”
- VDE 0670 T402: Selection of current-limiting fuses for transformer circuits
- IEC 60 787: Application guide for the selection of fuse-links of high-voltage fuses for transformer circuit applications
- VDE 0671 T105 / IEC 62271-105: High-voltage switch-fuse combinations
- DIN 43 625: High-voltage fuses, rated voltages 3.6 to 36 kV (fuse-link dimensions)
- DIN 43 624: High-voltage fuses, rated voltages 3/3.6 to 30/36 kV (single-pole fuse bases)

The quality management system of EFEN GmbH is certified to the international standard DIN ISO 9001 (EN 29001).
EFEN applies a certified environment management system acc. to DIN ISO 14001 and the Eco Audit Order of the Council (EEC) 1836/93.
EFEN manufactures HV fuse-links dimensioned acc. to DIN 43 625 with strikers for indoor and outdoor use. Due to its red color, the striker can be used as a trip-free mechanism and also as an indicator.
In addition to the HV fuse-links shown in this catalogue, EFEN also manufactures a wide range of special-purpose fuse-links in other or custom dimensions. If you have a particular application that requires a special fuse protection solution, simply ask the EFEN team, we are there for you!

Terms and definitions
According to the applicable standards and physical properties, distinction is made between back-up fuse-links and general-purpose fuse-links:

Back-up Fuse-Links
Back-up fuse-links have a “rated minimum breaking current” from which the fuse-links are able to interrupt current. Back-up fuse-links cannot interrupt current when operated below their “rated minimum breaking current” (below I_3). They operate from I_3 to the “rated maximum breaking current” (I_1).
When assigning back-up fuse-links, it must be considered that the lowest short-circuit current at the point of installation of the HV back-up fuse-link is higher than I_3 ($I_{Kmin} > I_3$). If the short-circuit current is possibly lower than the minimum breaking current, additional protection must be provided.

General-purpose Fuse-Links
EFEN‘s general-purpose fuse-links comply with the correspondingly defined standards. Their operating range is extended for lower currents. These fuse-links are capable of interrupting all currents from any current causing the fuse-link to melt within a period of at least 1 hour and up to the “maximum rated breaking current” (I_1). This allows these fuse-links to interrupt low fault currents reliably.

Striker
The strikers of the HV fuse-links of this product list have an effective length of 30 mm and are of type “medium”. This classification results from the energy released by the striker between the points A and B (Fig.1). The initial force is approx. 80 N, the force at the end of the free motion is approx. 15 N. The striker is provided to serve as trip-free mechanism of the load-break switches.

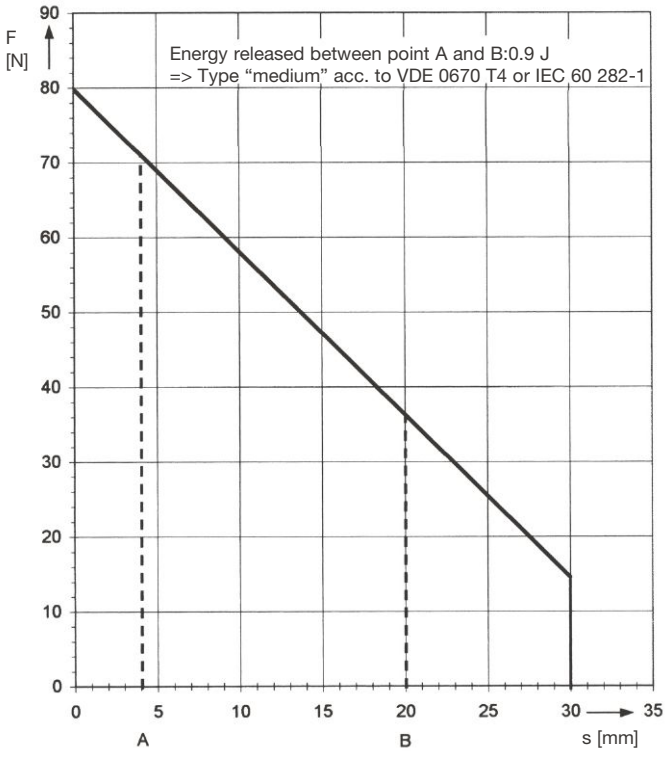


Fig.1

HV Fuse-Links
General remarks

Rated voltage range
When selecting HV fuse-links, it is important to ensure that these are operated at the voltage for which they are rated. Accordingly, the operating voltage must correspond to the maximum rated voltage of the fuse-link. Because of the switching voltage occurring during arcing, the fuse-link cannot be used at lower voltages without limitation. Accordingly, a lower operating voltage must also be observed at which the fuse-link can still be used without exceeding the system insulation level during arcing.
These two values define the fuse-link's permissible voltage range indicated on the fuse-link or in the technical data,
e.g. 10/24 kV.

Breaking capacity I_1
The breaking capacity is also referred to as "rated maximum breaking current". This clearly indicates that this is the maximum current that the fuse-link is able to interrupt.
I_1 of the fuse-link must be greater than the maximum short-circuit current at the fuse-link's point of installation
($I_1 > I_{Kmax}$).

Minimum breaking current I_3
According to the standard, the minimum breaking current is referred to as "rated minimum breaking current". This value must be specified on backup fuse-links. This is the minimum current from which on back-up fuse-links are capable of breaking fault currents.
Fuse-links must be assigned to systems in such a way that no fault current below I_3 can occur at the fuse-link's point of installation (because of the system parameters or other protective devices).

Power dissipation of a fuse-link P_{warm}
The power dissipation of an HV fuse-link is specified at the fuse-link's rated current. When protecting systems with HV fuse-links, it must be noted that the operating current is normally no more than half the rated current. Due to the physical correlations, the actual power dissipation is less than a quarter of the value
P_{warm} shown in the technical data table for HV fuse-links.

Time-current characteristic (I/t characteristic)
The time-current characteristics show the correlation between the current and pre-arcing time required for the fuse-element to melt. This is indicated as the virtual time (t_{vs}) to allow comparing the I/t characteristics of fuse-links in the range below 100 ms. For coordination with other protective devices such as load-break switches or circuit breakers tripping at less than 100 ms the pre-arcing interval of I^2t must be applied.

Current limitation
At high short-circuit currents, HV fuse-links interrupt currents within few milliseconds. This means that the sinusoidal current does not reach its peak value and the HV fuse-links act as current-limiting devices. This is a significant advantage compared to mechanical switches whose contacts take longer to open and interrupt currents at natural zero. During this period, the peak short-circuit current is able to freely develop its dynamic force. By using HV fuse-links, this surge current is limited within several ms to a fraction of its peak value, allowing the design of the downstream system to be reduced in terms of dynamic forces.

Switching voltage
To allow HV fuse-links to perform as current-limiters, the short-circuit current must be limited and reduced already as it increases. This requires a switching voltage that counteracts the driving system voltage and forces the current to zero. According to the specifications stated above, this switching voltage must not exceed the permissible value of 2.2 times the peak value of the maximum rated voltage. EFEN HV fuse-links meet this requirement.

Dimensions
HV fuse-links in this product list comply with DIN 43 625.
Fig. 2 shows the contact cap dimensions defined in this standard. Dimension "e" varies depending on the rated voltage of HV fuse-links and is shown as "dimension" of the fuse-links in the corresponding technical data tables. In addition, diameter "d" varies with the rated current. The corresponding values are also shown in the tables.
(Tables on page 90, 98, 101, 102 and 103)

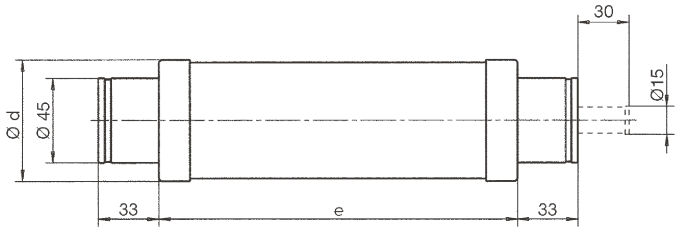


Fig. 2
Dimensions acc. to DIN 43 625 in mm

HV Fuse-Links
General remarks

Description of further applications of EFEN HV Fuse-Links

Protection of high-voltage motors
With EFEN HV back-up fuse-links, high-voltage squirrel-cage motors can be protected against the effects of high short-circuit currents. Overloads must be interrupted by accompanying protective devices.

Protection of high-voltage capacitors
EFEN HV back-up fuse-links can be used to protect individual capacitors in the event of a short-circuit. However, particular aspects must be taken into account with respect to the rated voltage and rated current of the HV fuse-links.

Protection against distance short-circuits
HV fuse-links are not always used on bus bars or directly at the feeder, but rather directly upstream of the transformer at the end of a stub line. In such cases, it should be noted that the short-circuit current at the installation point of the HV fuse-links can be considerably lower than the current on a transformer secondary terminal short-circuit. In addition to transformer impedance, line impedance must also be taken into account.

Special applications
In addition to the standard applications described above, EFEN HV fuse-links can also be used for a wide range of special-purpose applications:
- Protection of voltage transformers
- Protection of capacitive transformers
- Protection of railway installations (16 2/3 Hz or DC)

Oil-tight HV Fuse-Links
EFEN also manufactures oil-tight HV fuse-links.
These fuse-links can be directly integrated into the devices to be protected such as transformer as they are suitable for oil-submerged operation.
These HV fuse-links can be manufactured with and without striker. Their contact caps can be fitted with threaded studs or nuts for the connection of cable lugs.

EFEN has developed a wide range of HV fuse-links for special applications which would be too numerous to list here.
Whenever you are facing a non-standard protection task, we will be happy to assist you in finding an optimal solution!

HV Fuse-Links
General remarks

Protection of transformers
The following must be observed when selecting HV fuse-links:
a) Transformer ratings
- Rated operating voltage (U)
- Rated output (S)
- rel. short-circuit voltage (u_k %)
- Inrush current (8... 12 I_N)

b) Time-current characteristics of HV fuse-links
c) Secondary protective devices/selectivity

Procedure explained using an example:
A 630 kVA transformer has a transformer rated current of 18.2 A at a rated operating voltage of 20 kV. The relative short-circuit voltage is 4%, and the inrush current is 12 x I_N. The short-circuit current on the secondary terminal short-circuit results from the relative short-circuit voltage. The transformer must be designed to withstand this current for 2 seconds. This condition results in point b) in Fig. 3. HV fuse-links must break this current within 2 seconds. In Fig. 3, fuse-link F4 must not be used for this transformer, as the fuse-link will require more than 2 seconds to melt at the given short-circuit current.

The inrush current is plotted for a duration of 0.1 seconds, resulting in point a). This inrush current must not melt the fuse-link. Accordingly, fuse-link F1 cannot be used for this transformer. Fuse-links F2 and F3 may be used for this transformer since their time-current characteristics are between points a) and b). Several HV fuse-links for various rated currents can therefore be assigned to a transformer. The selection of the correct fuse must be based on the time-current characteristic and not the rated current of the HV fuse-link.
German standard VDE 0670 T402 defines time-current ranges for rated currents, taking into account points a) and b) as well as the selectivity to the NH fuse-links of utilization category gTr. If an HV fuse-link is assigned to a transformer according to part 402, all of the above factors must be taken into account to select the correct HV fuse-link.

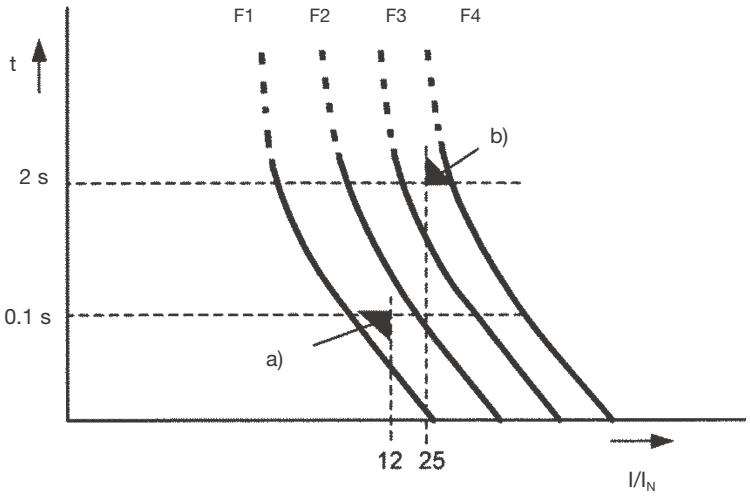


Fig. 3

F1– F4) Time-current characteristics for HV fuse-links
a) Inrush current
b) Lowest short-circuit current of the transformer

HV Fuse-Links
General remarks

HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 with controlled power dissipation (ÜLA)

Application
EFEN HV back-up fuses of type ÜLA meet the requirements of VDE 0670 and are specifically designed for installation in compact, enclosed SF6-insulated substations. In these substations, the fuse-links are installed in tight compartments. These significantly affect heat dissipation and only absorb a limited amount of heat. However, overheating of fuse compartments in such enclosures is not to be expected if EFEN HV fuse-links have been properly selected and are matched to the transformer to be protected according to table 3, and if the fuse-links are in faultless condition (Fig. 4).

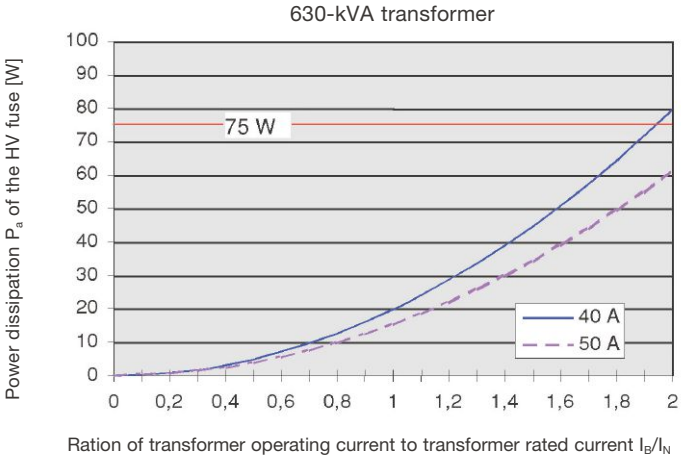


Fig. 4:
Power dissipation of 40-A and 50-A HV fuse-links for a 20-kV 630-kVA transformer

One or more of the fuse elements connected in parallel may be interrupted by transient currents caused by transformer inrush or lightning current. As a result, fuses dissipate significantly more heat. There is a certain risk that the heat absorption limit for transformer rated current of the fuse compartments may be exceeded. EFEN HV back-up fuses of type ÜLA prevent such overheating when installed in conjunction with a transformer switch having a trip-free mechanism.

Operating mode
The average heat absorption of the fuse compartments is approximately 75 W. To prevent thermal overload, heat output P_a of the fuse must not exceed this limit:

$P_a \leq 75$ W

The ÜLA striker system controls the power dissipation of the fuse as the tripping of the striker depends on the voltage, and power dissipation, accordingly:

$U_a = R \cdot I_B$
$U_a \cdot I_B = Pa \leq 75$ W

The tripping voltage U_a of the ÜLA striker system has been selected so that, when multiplied by the operating current I_B, it will not exceed the limiting value, e.g. 75 W, if the resistance R of the fuse elements increases. In this case the ÜLA striker system controls the power dissipation of the fuse, triggering the transformer switch before the permissible power acceptance of the fuse compartment is exceeded (Fig. 5).

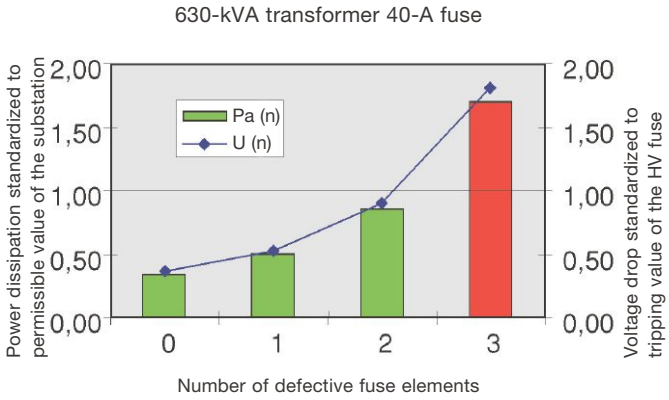


Fig. 5:
Controlled power dissipation at 1.3 times the transformer rated current

Benefits of protection with controlled power dissipation (ÜLA)
- ÜLA controls the power dissipation of the fuse-links
- ÜLA is based on Ohm's law
- ÜLA works independently of the installation position of the fuse
- ÜLA trips the striker before the system overheats
- ÜLA is non-ageing

HV fuse-switch ÜLA Plus for switch-fuse combinations
The HV fuse-switch ÜLA Plus was specially designed for use in switch-fuse combinations. This product is characterized by low power dissipation and optimized breaking capacity, even at high rated currents.

- Fast-blowing: With regard to the requirements for switch-fuse combinations according to IEC 62271-105 / VDE 0671 T105, tripping speed in the range of 10 – 100ms was significantly increased. Letting the fuse perform the switching of the transformer short circuit current is a requirement. This is supported by the special characteristics of the fuse.

- Lower power dissipation: Reducing power dissipation by up to 30% allows protection with a switch-fuse combination even with large transformers and also reduces costs.
- Combined control system: The process of controlling temperature and power dissipation simultaneously allows excellent system protection.

The HV ÜLA Plus fuse-link is available from 6/12 kV to 20/36 kV. Thanks to the optimized characteristics, this line of fuse-links is especially suitable for use in gas-insulated SF6-substations.

HV Fuse-Links
General remarks

High-voltage switch-fuse combinations acc. to VDE 0671 T105 / IEC 62 271-105

Switches can be combined with current-limiting HV fuse-links to increase their utilization range. Such combinations offer short-circuit protection as well as load-switching capacity. HV fuse-links provide short-circuit protection while the switch interrupts the currents below the take-over current of the combination unit. Further to the inrush current, the short-circuit current on the secondary-terminal short-circuit and the low-voltage selectivity, the following switch characteristics must be taken into account:
- Rated transfer current ($I_{transfer}$)
- Switch response time (t_0)

Fig. 6 shows the rated transfer current ($I_{transfer}$) as a vertical line. The switch response time (t_0) must be multiplied by 0.9 (simplified procedure for characteristic gradient 4) and is shown as a horizontal line. This results in an intersection that is characteristic to load switches and must be established for each switch individually.

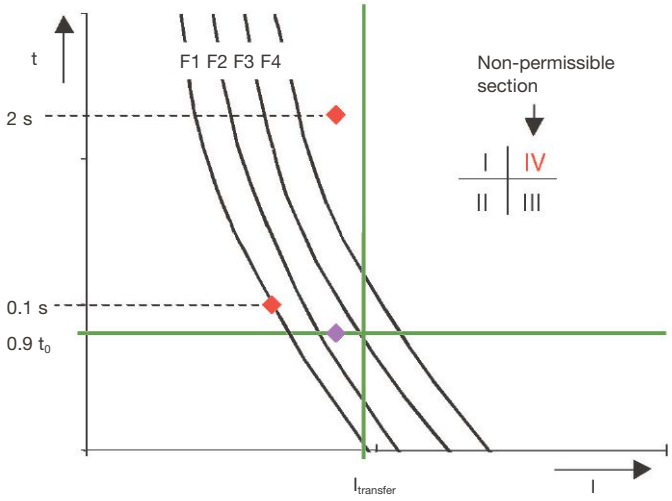


Fig. 6
Selecting an HV fuse-link acc. to VDE 0671 T105 / IEC 62 271.105

This switch intersection divides the diagram into four quadrants (see Fig. 6). Only HV fuse-links with time-current characteristic that do not pass through quadrant IV (“non-permissible section”) are suitable for the switch-fuse combination described. This means that all HV fuse-links with striker that meet this requirement can be used in switch-fuse combinations according to IEC 62 271-105. EFEN has assigned HV fuse-links to suitable switches and transformers for switchgear of all major manufacturers. These documents are available on request.

EFEN HV general-purpose Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

EFEN HV general-purpose fuse-links have an extended breaking range for low currents. Connecting two fuse elements in series in one body results in specific time-current characteristic.

This allows a specific selectivity to be established between HV general-purpose fuse-links and low-voltage circuit breakers.

While one system can reliably interrupt low pre-arcing currents with long pre-arcing times (up to one hour), the other system is ready to break high short-circuit currents. Therefore, the time-current characteristic consists of two sections. The handover (intersection) point between the two systems is at approx. 1 second (see I/t characteristic F1 in Fig. 7).

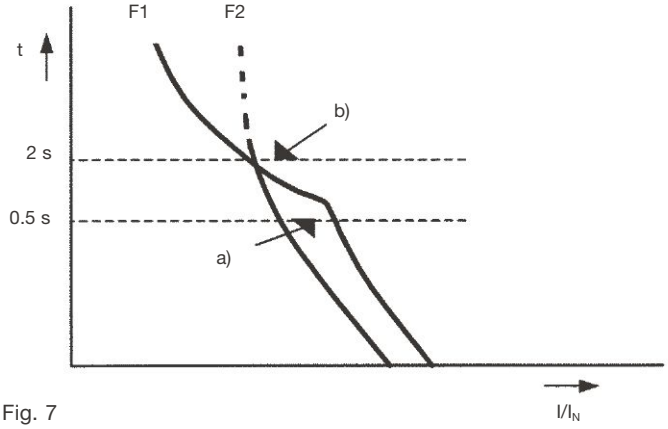
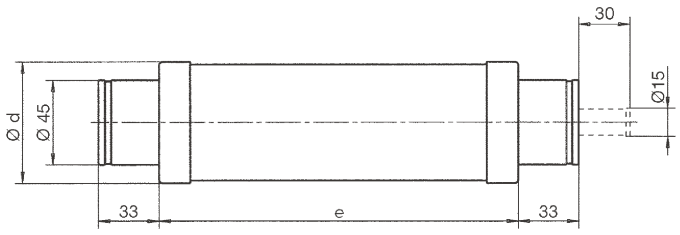


Fig. 7

F1) Time-current characteristic of a general-purpose fuse-link
F2) Time-current characteristic of a back-up fuse-link
  a) Selectivity to low-voltage circuit breaker
  b) Lowest short-circuit current of the transformer

In Fig. 7, point b) corresponds to the short-circuit current of a transformer. Point a) is the tripping current of a circuit breaker on the low-voltage side set e.g. to a tripping time of 0.5 seconds, transferred to the high-voltage side.
The transformer is protected by both fuse-links with I/t characteristic F1 and F2 as the short-circuit current is interrupted within 2 seconds. If a selectivity of the HV fuse-link to the circuit breaker (point a) is required, an EFEN HV general-purpose fuse-link must be used on the high-voltage side. Its time-current characteristic F1 is located to the right of point a) of the circuit-breaker, in contrast to I/t characteristic F2 of the HV back-up fuse-link which would already melt before the circuit breaker trips.
Thanks to a special manufacturing process, these HV general-purpose fuse-links can also be produced as an oil-tight variants which can be directly integrated into the transformer. Such fuse-links do not have a striker and are provided with a threaded connection on both ends. They are suitable for oil-submerged operation inside the transformer.

HV Fuse-Links
Electrical data, dimensions, weight



Technical data
HV back-up Fuse-Links acc. to VDE 0670 / IEC 60 282-1 with controlled power dissipation (ÜLA)

Order no.	Rated voltage range	Rated current	Rated value, Maximum breaking current	Rated value, Minimum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight
							R initial	P warm		
	Un	In	I1	I3	e	d				
	kV	A	kA	A	mm	mm	mΩ	W	A²s	kg
67523.0100	6/12	10	63	35	292	56	227	29	3.000	1,6
67523.0160		16		64			66	21	3.700	
67523.0200		20		90			51	25	4.700	
67523.0250		25		95			40	29	4.920	
67523.0320		31,5		110			30	39	7.000	
67523.0400		40		134			20	46	14.000	
67523.0500		50		190			15	62	25.300	
67523.0630		63	80	250		65	11,9	58	52.200	2,1
67523.0800		80		280			9,5	82	78.000	
67523.1000		100		330		78	7,4	103	152.000	2,3
67523.1250		125		430		88	5,2	109	266.800	2,5
67524.1000		100		325	442	78	7,5	100	169.500	3,3
67524.1250		125		430			5,3	109	291.000	
67524.1600		160		460			4,4	175	358.500	
67543.0060	10/24	6,3	63	23	442	56	640	31	800	2,3
67543.0100		10		36			386	48	2.000	
67543.0160		16		73			127	42	2.340	
67543.0200		20		91			97	53	3.900	
67543.0250		25		116			73	60	6.500	
67543.0320		31,5		125			57	84	7.000	
67543.0400		40		161			41	96	14.200	
67543.0500		50		210		65	27	89	27.900	3,1
67543.0630		63		235		78	21	102	67.000	3,3
67543.0800		80		265			17	153	92.500	
67543.1000		100		345		88	13,6	200	152.000	5,9
67543.1250		125		435			10,1	254	279.000	
67553.0060	20/36	6,3	31,5	20	537	56	889	39	600	2,7
67553.0100		10		33			529	66	2.000	
67553.0160		16		66			190	67	2.340	
67553.0200		20		95			153	84	3.900	
67553.0250		25		110			118	100	6.500	
67553.0320		31,5	20	135		65	82	119	7.000	3,7
67553.0400		40		200			63	176	14.200	
67553.0500		50		220		88	40	130	34.000	6,5
67553.0630		63	35	250			31	165	72.500	
67553.0800		80		340			24	229	119.000	

* This rated current requires a reduction factor. Reduction factors are available on request.

HV Fuse-Links
Selection table for HV back-up Fuse-Links

VDE 0670 T402 with ÜLA Plus / selection table acc. to IEC 62271-105

		Transformer rated output in kVA															
Rated voltage range of the fuse-link (kV)		U_K = 4 %									U_K = 6 %						
Rated operating voltage of the transformer		100	125	160	200	250	315	400	500	630	630	800	1000	1250	1600	2000	2500
6/12 / 10	**Transformer rated current in A**	5,8	7,2	9,2	11,5	14,4	18,2	23,1	28,9	36,4	36,4	46,2	57,7	72,2	92,4		
	Short-circuit current 2s in A	144	180	231	289	361	455	577	722	909	606	770	962	1203	1540		
	Transfer current I transfer in A T0 = 40 ms	143	143	184	258	321	433	567	512	660	512	660	837	1135	1320		
	Rated current of the fuse-link in A	16	16	20	25	31,5	40	50	63	80	63	80	100	125	160		
	Power dissipation of the fuse-link IN transf. in W	1,9	3,0	3,4	4,7	5,3	6,9	8,3	8,1	11,3	14,0	19,8	24,1	26,3	42,2		
10/24 / 20	**Transformer rated current in A**	2,9	3,6	4,6	5,8	7,2	9,1	11,5	14,4	18,2	18,2	23,1	28,9	36,1	46,2	57,7	72,2
	Short-circuit current 2s in A	72	90	115	144	180	227	289	361	455	303	385	481	601	770	962	1203
	Transfer current I transfer in A	72	72	72	136	173	239	239	310	436	307	436	450	562	701	860	1184
	Rated current of the fuse-link in A	10	10	10	16	20	25	25	31,5	40	31,5	40	50	63	80	100	125
	Power dissipation of the fuse-link IN transf. in W	2,6	4,0	6,7	4,0	4,8	5,8	9,7	11,8	13,2	20,2	23,1	23,6	24,1	36,9	48,2	61,2
20/36 / 30	**Transformer rated current in A**	1,9	2,4	3,1	3,8	4,8	6,1	7,7	9,6	12,1	12,1	15,4	19,2	24,1	30,8	38,5	48,1
	Short-circuit current 2s in A	48	60	77	96	120	152	192	241	303	202	257	321	401	513	642	802
	Transfer current I transfer in A T0 = 40 ms	39	39	71	71	71	139	181	181	228	181	228	315	400	450	577	731
	Rated current of the fuse-link in A	6,3	6,3	10	10	10	16	20	20	25	20	25	31,5	40	50	63	80
	Power dissipation of the fuse-link IN transf. in W	2,4	3,7	4,1	6,3	6,1	3,6	6,3	13,1	15,9	22,8	28,3	33,0	46,9	51,7	45,7	61,0

HV Fuse-Links
General remarks

High-voltage Fuse-Links for voltage transformer “HSW” acc. to VDE 0670 T4 / IEC 60 282-1

HV fuse-links for voltage transformers (HSW) offer protection against short-circuits. They reliably isolate the defective transformer from the power supply.

Their compact design enables integration into the transformer housing. By sealing the transformer housing with a screw cap, the HSW can be replaced and is visible from outside if the screw cap has a window. For status indication purposes, the HSW can be provided with an indicator. The HSW can be used for transformers with an output limit of up to 3000 VA (6 to 12 kV) or 6000 VA (15 to 24 kV).

In the event of a short-circuit, the HSW significantly reduces the current in such a way that the maximum peak current of 1 kA flows only for a few microseconds. In this way, effects of the defect on the supplying system are largely prevented.



Fig. 8

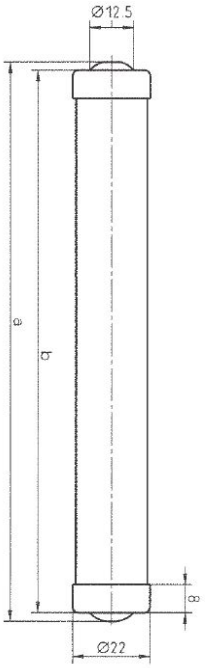


Fig. 9

HV Fuse-Links for voltage transformers

Electrical data, dimensions, weight

Variant	Rated voltage range	Dimensions		Initial resistance	Weight	PU	Order no.
	U_N kV	a mm	b mm	$R_{initial}$ max. Ω	kg		
with indicator	6/12	160	155	7	0,15	1	**67036-0004**
with indicator	15/24	280	275	12	0,27	1	**67037-0004**
without indicator	6/12	160	155	7	0,15	1	**67036-0003**
without indicator	15/24	280	275	12	0,27	1	**67037-0003**
without indicator	20/36	421	-	9	2,7	1	**67088-0003**

HV Fuse-Links
Selection table acc. to VDE 0670 T402 / IEC 60 282-1

Selection table for HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1 with selectivity to the low-voltage fuse-link (gTr/gG) **Table 1**

Rated voltage range of the fuse-link [kV] / Rated voltage range of the transformer [kV]	Mode of protection, rated current of the fuse-link [A]	Transformer rated output [kVA]											
		Rel. short circuit voltage				u_K = 4 %						u_K = 5 %	
		50	**100**	**125**	**160**	**200**	**250**	**315**	**400**	**500**	**630**	**800**	**1000**
3/7,2	I_N Tr	4,8	9,6	12,0	15,4	19,2	24,1	30,3	38,5	48,1	60,6	77,1	96,3
	with NH gG	16	**20**-25	**25**-31,5	**31,5**-40	**40**-50	**50**-63	**63**-80	**80**-100	**100**-125	**100**-160	160	160
6	with NH gTr		**20**-25	**25**-31,5	**31,5**-40	**40**-50	**50**-63	**63**-80	**80**-100	**100**-125	**100**-160	160	160
6/12	I_N Tr	2,9	5,8	7,2	9,2	11,5	14,4	18,2	23,1	28,9	36,4	46,2	57,7
	with NH gG	10	16	16	**20**-25	**25**-31,5	**31,5**-40	**40**-50	**50**-63	**63**-80	**80**-100	**100**-125	**100**-125
10	with NH gTr		16	16	**20**-25	**25**-31,5	**31,5**-40	**40**-50	**50**-63	**63**-80	**80**-100	**100**-125	**100**-160
10/24	I_N Tr	1,5	2,9	3,6	4,6	5,8	7,2	9,1	11,5	14,4	18,2	23,1	28,9
	with NH gG	6,3	10	10	16	16	**16**-25	25	**25**-31,5	**31,5**-40	**40**-50	63	63
20	with NH gTr		10	10	16	16	**16**-25	25	**25**-31,5	**31,5**-40	**40**-50	63	63-80
20/36	I_N Tr	1,0	1,9	2,4	3,1	3,8	4,8	6,1	7,7	9,6	12,1	15,4	19,2
	with NH gG		6,3	10	10	16	**16**-20	**20**-25	25	**25**-31,5	**31,5**-40	**40**-50	**40**-50
30	with NH gTr		6,3	10	10	16	**16**-20	**20**-25	25	**25**-31,5	**31,5**-40	**40**-50	**40**-50
	I_N Tr	72	144	180	231	289	361	455	577	722	909	1155	1443
	with NH gG	80	125/160	160/200	200/250	250/315	315/400	400/500	500/630	630/800	800/1000	1000/1250	1250/1600
0,4	with NH gTr		100	125	160	200	250	315	400	500	630	800	1000

Preferred values shown in bold print
I_N Tr = Transformer rated current [A]

Selection table for HV back-up Fuse-Links acc. to VDE 0670 T402 with selectivity to NH gTr with controlled power dissipation (ÜLA) **Table 2**

Rated voltage range of the fuse-link [kV] / Rated voltage range of the transformer [kV]	Mode of protection, rated current of the fuse-link [A]	Transformer rated output [kVA]										
		Rel. short circuit voltage			u_K = 4 %						u_K = 5 %	
		100	125	160	200	250	315	400	500	630	800	1000
6/12	I_N Tr	5,8	7,2	9,2	11,5	14,4	18,2	23,1	28,9	36,4	46,2	57,7
	I_N	16	16	20	25	31,5	40	50	63	80	100	125
10	P_{warm}	2,4	3,6	4,5	5,3	6,3	8,6	10,7	10,4	13,1	28,5	18,3
10/24	I_N Tr	2,9	3,6	4,6	5,8	7,2	9,1	11,6	14,4	18,2	23,1	28,9
	I_N	10	10	16	16	16/25	25	25/31,5	31,5	40	63	63
20	P_{warm}	3,3	5,0	2,9	4,6	7,2/3,8	6,2	10,2/8,3	13,0	15,2	14,0	22,7
20/36	I_N Tr	1,9	2,4	3,1	3,8	4,8	6,1	7,7	9,6	12,1	15,4	19,2
	I_N	6,3	10	10	16	16	20	25	25	31,5	40	40/50
30	P_{warm}	2,8	3,0	4,7	3,0	4,5	5,6	6,5	10,0	12,3	16,9	27,6/17,3

I_N Tr = Transformer rated current [A]
I_N = Fuse-link rated current [A]
P_{warm} = Power dissipation of the HV fuse-links for rated current of the transformer [W]

HV Fuse-Links
Selection table acc. to VDE 0670 T4 / IEC 60 282-1

Selection table for EFEN HV general-purpose fuses
VDE 0670 T4 / IEC 60282-1

Table 3

Rated voltage range of the fuse-link [kV] / **Rated voltage range of the transformer [kV]**	**Mode of protection, fuse-link rated current [A]**	**Transformer rated output [kVA]**											
		Rel. short circuit voltage u_K = 4%										u_K = 5%	
		50	**100**	**125**	**160**	**200**	**250**	**315**	**400**	**500**	**630**	**800**	**1000**
3/7,2	I_N Tr	4,8	9,6	12	15,4	19,2	24,1	30,3	38,5	48,1	60,6	77,1	96,3
6	I_N	6,3	16	16	16-25	25	25-40	40	40-50	50	50	-	-
6/12	I_N Tr	2,9	5,8	7,2	9,2	11,5	14,4	18,2	23,1	28,9	36,4	46,2	57,7
10	I_N	6,3	6,3-10	10	16	16	16-25	25	25-40	40	40-50	50	50
10/24	I_N Tr	1,5	2,9	3,6	4,6	5,8	7,2	9,1	11,5	14,4	18,2	23,1	28,9
20	I_N	-	4	4-6,3	6,3	6,3-10	10	16	16	16	25	25	25

I_N Tr = Transformer rated current [A]
I_N = Fuse-link rated current [A]

Benefits of using EFEN HV general-purpose Fuse-Links:
- Reliable breaking of all currents: from the current tripping the fuse element within a time of ≥ 1 hour to the maximum rated breaking current I1
- No lightning current and low inrush current sensitivity
- Very low power dissipation/low thermal load
- Selectivity to low-voltage circuit breaker possible
- EFEN HV general-purpose fuse-links are available as oil-tight variants for integration into transformers

HV Fuse-Links
Selection table acc. to VDE 0670 T4 and T 402 / IEC 60 282-1

HV Fuse-Links for protection of HV motors
EFEN HV fuse-links are suitable for HV motor protections.

EFEN has the expertise and the right products to protect your motor circuits effectively.

Selection table acc. to T402 **Table 4**

High-voltage motors / Start-up times	Number of starts per h	Maximum motor starting current (A)							
≤ 6 s	≤ 2	130	180	220	290	360	500	680	1100
	4	120	150	190	240	310	450	550	900
	10	110	140	170	220	270	400	490	770
	15	100	130	160	200	250	340	430	670
	30	90	120	140	190	230	320	400	630
6 – 15 s	2	120	160	190	240	310	430	580	670
	4	100	140	170	220	280	400	500	610
	10	90	120	150	200	240	340	430	540
	15	80	110	130	180	220	320	400	480
	30	70	100	120	160	200	290	350	430
15 – 60 s	2	100	130	160	220	270	380	470	590
	4	90	120	150	200	250	340	440	540
	6	80	110	140	190	230	320	400	500
	10	70	100	130	180	220	300	380	470
recommended fuse-link (acc. to IEC 60282-1 and VDE 0670 T4 & 402)									
Rated current:		63 A	80 A	100 A	125 A	160 A	2 x 100 A	2 x 125 A	2 x 160 A
Order number									
Motor rated voltage	3 – 7,2 kV	67110-0630	67110-0800	67110-1000	67110-1250	67110-1600	67110-1000	67110-1250	67110-1600
	6 – 12 kV	67120-0630	67120-0800	67120-1000	67120-1250	67120-1600	67120-1000	67120-1250	67120-1600
	10 – 24 kV	67140-0630	67140-0800	67140-1000					
	20 – 36 kV	67150-0630							

Selection table acc. to T4 **Table 5**

High-voltage motors / Start-up times	Number of starts per h	Maximum motor starting current (A)							
≤ 6 s	≤ 2	120	165	210	320	370	430	900	1050
	4	110	140	180	275	320	380	730	870
	10	100	130	160	240	280	330	620	750
	15	90	120	150	220	260	300	560	650
	30	80	110	135	205	240	280	510	600
6 – 15 s	2	115	145	180	270	320	370	590	640
	4	95	125	160	240	280	340	530	570
	10	85	110	140	210	250	300	480	510
	15	75	100	120	190	230	280	430	450
	30	65	90	110	170	210	250	380	400
15 – 60 s	2	90	120	150	240	280	320	520	550
	4	80	110	140	220	260	290	470	510
	6	75	100	130	205	240	270	430	470
	10	65	90	120	195	230	250	400	440
recommended fuse-link (acc. to IEC 60282-1 and VDE 0670 T4 & 402)									
Rated current:		63 A	80 A	100 A	160 A	200 A	2 x 100 A	2 x 160 A	2 x 200 A
Order number									
Motor rated voltage	3 – 7,2 kV	67210-0630	67210-0800	67210-1000	67210-1600	67210-2000	67210-1000	67210-1600	67210-2000
	6 – 12 kV		67220-0800	67220-1000	67220-1600	67220-2000	67220-1000	67220-1600	67220-2000
	10 –24 kV		67240-0800	67240-1000					

HV Fuse-Links
Selection table acc. to VDE 0670 T4 / IEC 60 282-1

Selection table for capacitors **Table 6**

Rated voltage range of the fuse-link [kV]	3/7,2		6/12		10/24		20/36	
Rated operating voltage of the capacitor [kV]	3		6		10		20	
Capacitor Rated output [kVAr]	**I_{cr} [A]**	**I_r [A] Fuse-link Order no.:**	**I_{cr} [A]**	**I_r [A] Fuse-link Order no.:**	**I_{cr} [A]**	**I_r [A] Fuse-link Order no.:**	**I_{cr} [A]**	**I_r [A] Fuse-link Order no.:**
50	9,6	20 67110-0200	4,8	10 67220-0100	2,9	6,3 67240-060	1,44	4 67250-0040
100	19,2	40 67110-0400	9,6	20 67220-0200	5,8	10 67240-0100	2,9	6,3 67150-0060
125	24,1	50 67110-0500	12,0	25 67220-0250	7,2	16 67240-0160	3,6	6,3 67150-0060
160	30,8	80 67210-0800	15,4	31,5 67220-0320	9,2	20 67240-0200	4,6	10 67150-0100
200	38,5	100 67210-1000	19,2	50 67220-0500	11,5	25 67240-0250	5,8	16 67150-0160
250	48,1	125 67110-1250	24,1	63 67220-0630	14,4	31,5 67240-0320	7,2	16 67150-0160
315	60,6	160 67210-1600	30,3	80 67220-0800	18,2	50 67240-0500	9,1	20 67150-0200
400	77,0	200 67210-2000	38,5	100 67220-1000	23,1	63 67240-0630	11,5	25 67150-0250
500	96,2	2 x 125 2 x 67110-1250	48,1	125 67220-1250	28,9	80 67240-0800	14,4	31,5 67150-0320
630	121,2	2 x 160 2 x 67210-1600	60,6	160 67220-1600	36,4	100 67240-1000	18,2	40 67150-0400
800	154,0	2 x 200 2 x 67210-2000	77,0	200 67220-2000	46,2	125 67240-1250	23,1	50 67150-0500
1000	192,5	3 x 160 3 x 67210-1600	96,2	2 x 125 2 x 67220-2000	57,7	160 67240-1600	28,9	63 67150-0630

Selection table for capacitor protection with HV back-up fuse-links according to VDE 0670 T4 / IEC 60282-1
When switching on and adjusting capacitors, transient currents similar to a short-circuit are generated. The intensity and duration of these currents depends on the switching angle, natural frequency and inductivity of the grid and on the size of the capacitors. Therefore, HV fuse-links with the next higher voltage level should be selected to protect individual capacitors.
The following table complies with the requirements of IEC 549 “High-voltage fuses for the external protection of shunt power capacitors”.

Definitions:
I_{cr} = Capacitor rated current [A]
I_r = Fuse-link rated current [A]

HV Fuse-Links
Selection table acc. to VDE 0670 T4 / IEC 60 282-1

Selection table
HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 with controlled power dissipation (ÜLA) **Table 7**

Rated voltage range of the fuse-link [kV]		6/12		10/24	
Rated operating voltage of the transformer [kV]		**10**		**20**	
Rel. short-circuit voltage	**Transformer rated output [kVA]**	Transformer rated current [A]	Fuse-link rated current [A]	Transformer rated current [A]	Fuse-link rated current [A]
U_K = 4 %	**50**	2,9	10	1,5	4
	100	5,8	**16** – 20	2,9	10
	125	7,2	**20** – 25	3,6	**10** – 16
	160	9,2	**20** – 31,5	4,6	**16** – 20
	200	11,5	**25** – 40	5,8	**16** – 20
	250	14,4	**31,5** – 50	7,2	**20** – 25
	315	18,2	**40** – 63	9,1	**20** – 31,5
	400	23,1	**40** – 80	11,5	**25** – 40
	500	28,9	**50** – 100	14,4	**31,5** – 50
	630	36,4	**63** – 100	18,2	**40** – 63
U_K = 5 %	**800**	46,2	**80** – 125	23,1	**40** – 63
	1000	57,7	**100** – 160	28,9	**50** – 80
	1250	72,2	125 – 200	36,1	**63** – 100
U_K = 6,25 %	**1600**	92,4	125 – 200	46,2	**80** – 100

Preferred values shown in bold print

Selection table
HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 **Table 8**

Rated voltage range of the fuse-link [kV]		3/7,2		6/12		10/24		20/36	
Rated operating voltage of the transformer [kV]		**6**		**10**		**20**		**30**	
Rel. short circuit voltage	**Transformer rated output [kVA]**	Transformer rated current [A]	Fuse-link rated current [A]	Transformer rated current [A]	Fuse-link rated current [A]	Transformer rated current [A]	Fuse-link rated current [A]	Transformer rated current [A]	Fuse-link rated current [A]
U_K = 4 %	**50**	4,8	**16** - 20	2,9	10	1,5	4	0,96	**2** - 6,3
	100	9,6	**20** - 31,5	5,8	**16** - 20	2,9	10	1,9	**6,3** - 10
	125	12	**25** - 40	7,2	**20** - 25	3,6	**10** - 16	2,4	10
	160	15,4	**31,5** - 50	9,2	**20** - 31,5	4,6	**16** - 20	3,1	10
	200	19,2	**40** - 63	11,5	**25** - 40	5,8	**16** - 20	3,8	**10** - 16
	250	24,1	**40** - 80	14,4	**31,5** - 50	7,2	**20** - 25	4,8	**16** - 20
	315	30,3	**50** - 100	18,2	**40** - 63	9,1	**20** - 31,5	6,1	**16** - 25
	400	38,5	**63** - 125	23,1	**40** - 80	11,5	**25** - 40	7,7	**20** - 25
	500	48,1	**80** - 160	28,9	**50** - 100	14,4	**31,5** - 50	9,6	**20** - 31,5
	630	60,6	**100** - 200	36,4	**63** - 100	18,2	**40** - 63	12,1	**25** - 40
U_K = 5 %	**800**	77,1	**125** - 200	46,2	**80** - 125	23,1	**40** - 63	15,4	**31,5** - 40
	1000	96,3	**125** - 160	57,7	**100** - 160	28,9	**50** - 80	19,2	**40** - 50
	1250	120,3	**160** - 200	72,2	**125** - 200	36,1	**63** - 100	24,1	**40** - 50
U_K = 6,25 %	**1600**	154	200	92,4	**125** - 200	46,2	**80** - 100	30,8	**50** - 63

Preferred values shown in bold print

HV Fuse-Links

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1
Electrical data, dimensions, weight

Table 9

Rated voltage range	Rated current	Rated value Maximum breaking current	Rated value Minimum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	I_3 A	e mm	d mm	$R_{initial}$ mΩ	P_{warm} W	A^2s	kg		
3/7,2	6,3	63	21	192	56	256	11	800	1,2	1	**67110-0060**
3/7,2	10	63	38	192	56	144	19	3.000	1,2	1	**67110-0100**
3/7,2	16	63	65	192	56	41	13	2.340	1,2	1	**67110-0160**
3/7,2	20	63	92	192	56	32	14,5	3.900	1,1	1	**67110-0200**
3/7,2	25	63	110	192	56	25	20	4.900	1,2	1	**67110-0250**
3/7,2	31,5	63	123	192	56	19	23	7.000	1,2	1	**67110-0320**
3/7,2	40	63	140	192	56	12,3	30	14.000	1,2	1	**67110-0400**
3/7,2	50	63	194	192	56	9,3	35	25.300	1,2	1	**67110-0500**
3/7,2	63	63	220	192	65	7,0	60	61.700	1,4	1	**67110-0630**
3/7,2	80	63	300	192	65	5,2	85	87.400	1,6	1	**67110-0800**
3/7,2	100	63	440	192	78	4,0	96	180.000	2,0	1	**67110-1000**
3/7,2	125	63	440	192	88	2,9	75	440.000	2,4	1	**67110-1250**
3/7,2	160	63	610	192	88	2,3	120	654.000	2,7	1	**67110-1600**
6/12	6,3	63	23	292	56	409	19	800	1,7	1	**67120-0060**
6/12	10	63	35	292	56	231	29	3.000	1,7	1	**67120-0100**
6/12	16	63	64	292	56	69	21	3.700	1,7	1	**67120-0160**
6/12	20	63	90	292	56	53	25	4.700	1,6	1	**67120-0200**
6/12	25	63	95	292	56	41	31	4.920	1,7	1	**67120-0250**
6/12	31,5	63	110	292	56	31	39	7.000	1,7	1	**67120-0320**
6/12	40	63	134	292	56	20	46	14.000	1,7	1	**67120-0400**
6/12	50	63	190	292	56	16,7	62	25.300	1,7	1	**67120-0500**
6/12	63	63	220	292	65	11,7	60	63.000	2,1	1	**67120-0630**
6/12	80	63	345	292	65	8,7	82	87.000	2,3	1	**67120-0800**
6/12	100	63	400	292	78	6,7	96	180.000	3,1	1	**67120-1000**
6/12	125	63	480	292	88	4,9	117	440.000	3,7	1	**67120-1250**
6/12	160	63	610	292	88	3,8	175	654.000	1,9	1	**67120-1600**
10/17,5	6,3	63	20	367	56	530	24	800	1,9	1	**67130-0060**
10/17,5	10	63	33	367	56	312	34	3.000	1,9	1	**67130-0100**
10/17,5	16	63	64	367	56	100	34	2.340	1,9	1	**67130-0160**
10/17,5	20	63	80	367	56	75	42	3.900	1,9	1	**67130-0200**
10/17,5	25	63	100	367	56	56	50	6.500	1,9	1	**67130-0250**
10/17,5	31,5	63	110	367	56	46	61	7.000	1,9	1	**67130-0320**
10/17,5	40	63	134	367	56	32	83	14.200	1,9	1	**67130-0400**
10/17,5	50	63	180	367	56	22	84	40.000	3,5	1	**67130-0500**
10/17,5	63	63	240	367	56	16	110	61.700	3,5	1	**67130-0630**
10/17,5	80	63	320	367	78	13	130	87.400	3,5	1	**67130-0800**
10/17,5	100	63	420	367	78	9,5	180	170.000	4,4	1	**67130-1000**
10/24	6,3	63	23	442	56	640	32	800	2,4	1	**67140-0060**
10/24	10	63	36	442	56	386	48	2.000	2,4	1	**67140-0100**
10/24	16	63	73	442	56	127	43	2.340	2,4	1	**67140-0160**
10/24	20	63	91	442	56	97	53	3.900	2,3	1	**67140-0200**
10/24	25	63	116	442	56	74	64	6.500	2,4	1	**67140-0250**
10/24	31,5	63	125	442	56	61	85	7.000	2,4	1	**67140-0320**
10/24	40	63	161	442	56	43	103	14.200	2,3	1	**67140-0400**
10/24	50	63	230	442	56	35	146	24.200	4,5	1	**67140-0500**
10/24	63	63	350	442	65	25	163	46.400	3,1	1	**67140-0630**
10/24	80	63	460	442	65	19	196	104.000	4,5	1	**67140-0800**
10/24	100	63	420	442	88	14	279	140.000	4,1	1	**67140-1000**
20/36	6,3	31,5	23	537	56	827	39	600	2,8	1	**67150-0060**
20/36	10	31,5	34	537	56	463	65	2.000	2,8	1	**67150-0100**
20/36	16	31,5	70	537	56	210	67	2.340	2,7	1	**67150-0160**
20/36	20	31,5	100	537	56	165	84	3.900	2,8	1	**67150-0200**
20/36	25	31,5	110	537	56	125	100	6.500	2,8	1	**67150-0250**
20/36	31,5	31,5	135	537	56	85	119	7.000	3,7	1	**67150-0320**
20/36	40	20	205	537	56	65	176	14.200	3,8	1	**67150-0400**
20/36	50	20	220	537	56	42	183	40.000	6,5	1	**67150-0500**
20/36	63	20	360	537	65	35	271	61.700	6,8	1	**67150-0630**

HV Fuse-Links

HV back-up Fuse-Links acc. to VDE 0670 T402 and T402 ÜLA

Time-current characteristics

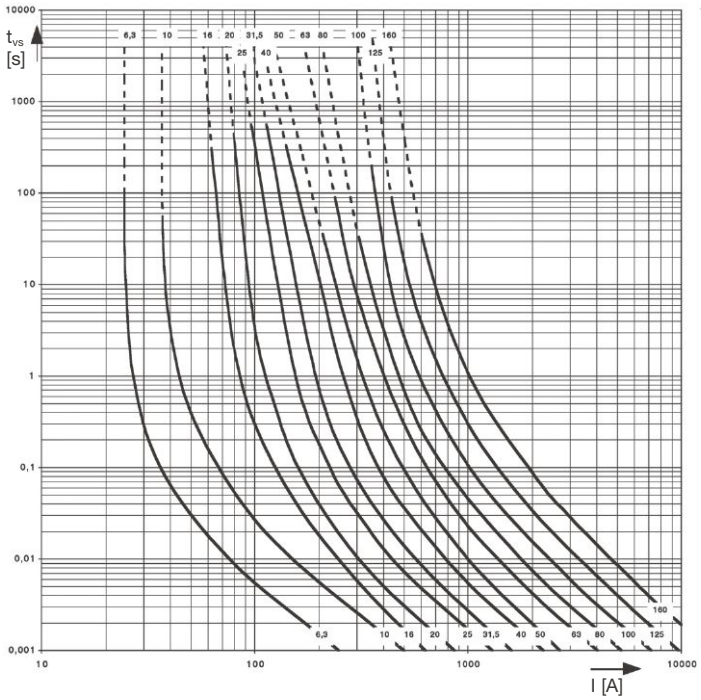


Fig.10
3/7.2 kV

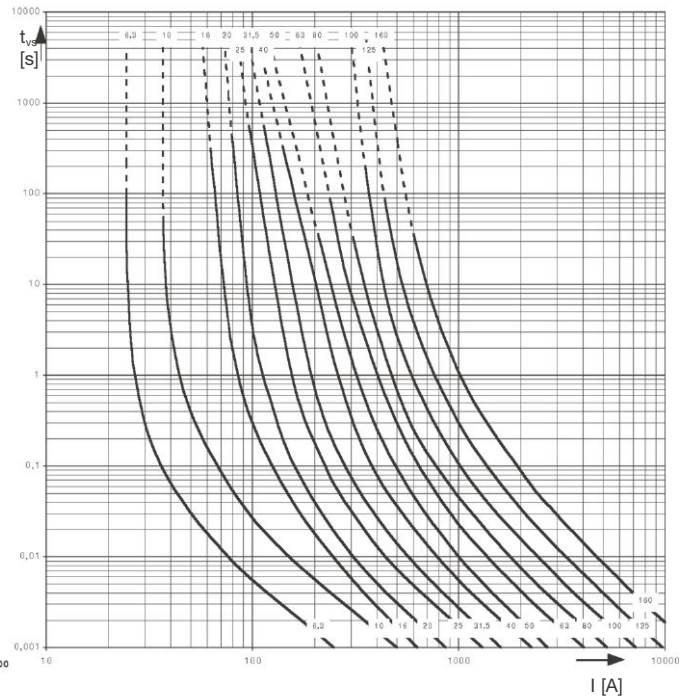


Fig. 11
6/12 kV

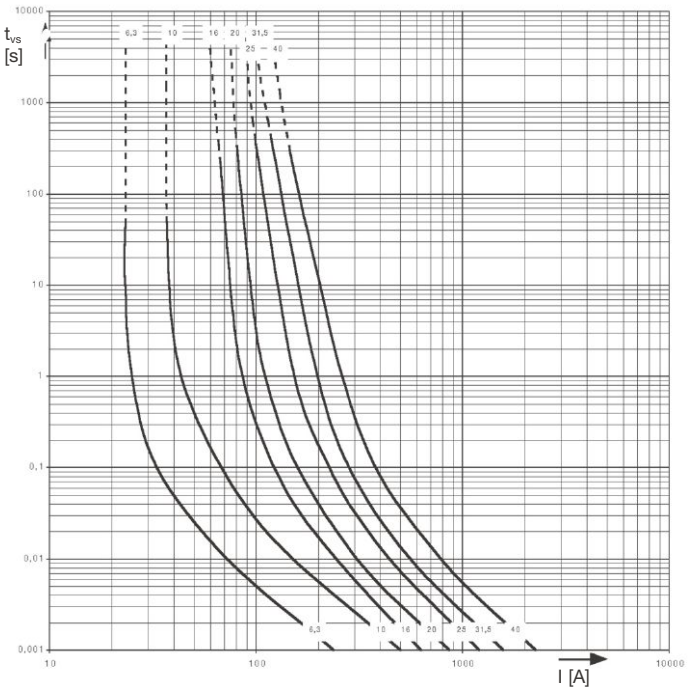


Fig. 12
10/24 kV 6.3 A – 40 A

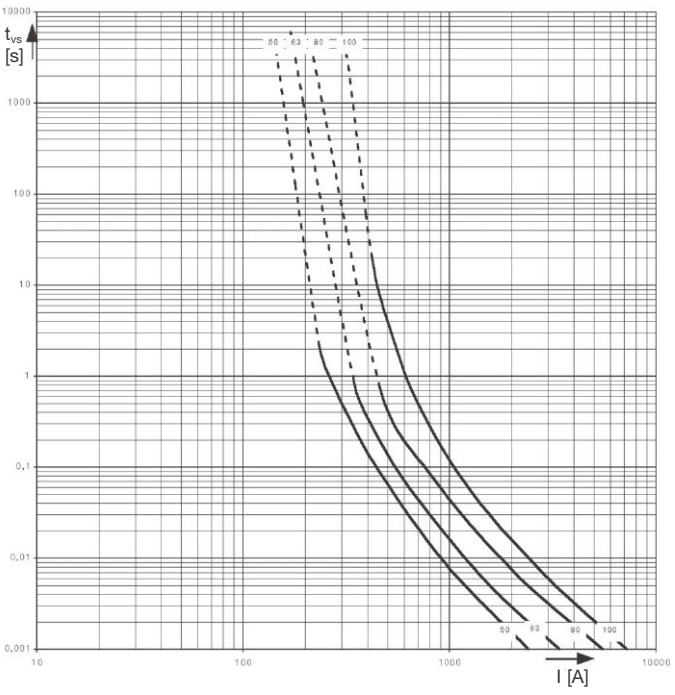


Fig. 13
10/24 kV 50 A – 100 A

HV Fuse-Links

HV back-up Fuse-Links acc. to VDE 0670 T402 and T402 ÜLA

Time-current characteristics

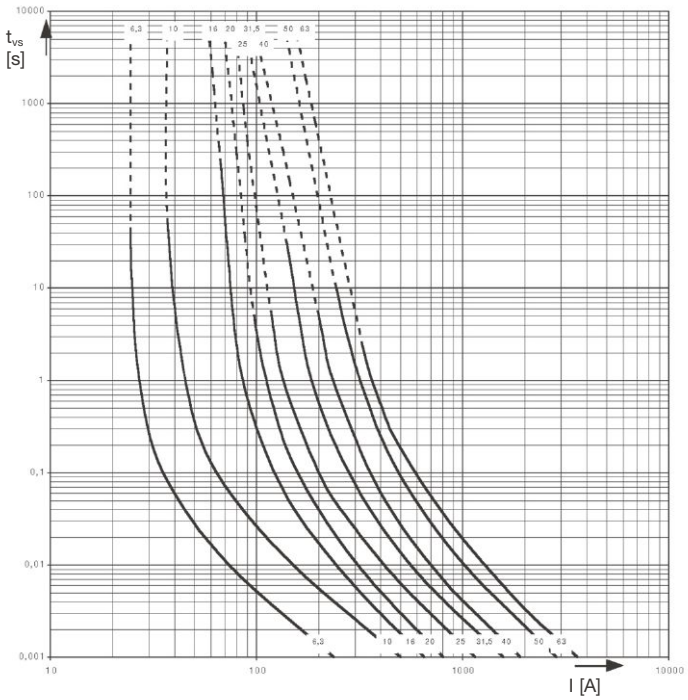
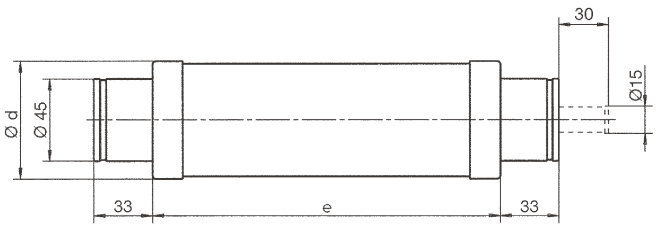


Fig. 14
20/36 kV

Dimensions acc. to DIN 43 625 in mm



HV Fuse-Links

HV back-up Fuse-Links acc. to VDE 0670 T402 / IEC 60 282-1 with controlled power dissipation ÜLA

Electrical data, dimensions, weight **Table 10**

Rated voltage range	Rated current	Rated value Maximum breaking current	Rated value Minimum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	I_3 A	e mm	d mm	$R_{initial}$ mΩ	P_{warm} * W	A^2s	kg		
6/12	10	63	35	292	56	227	29	3.000	1,6	1	**67520-0100**
6/12	16	63	64	292	56	66	21	3.700	1,6	1	**67520-0160**
6/12	20	63	90	292	56	51	25	4.700	1,6	1	**67520-0200**
6/12	25	63	95	292	56	40	29	4.920	1,6	1	**67520-0250**
6/12	31,5	63	110	292	56	30	39	7.000	1,6	1	**67520-0320**
6/12	40	63	134	292	56	20	46	14.000	1,6	1	**67520-0400**
6/12	50	63	190	292	56	15	62	25.300	1,6	1	**67520-0500**
6/12	63	63	220	292	65	12	62	63.000	2,1	1	**67520-0630**
6/12	80	63	345	292	65	8,7	85	87.000	2,1	1	**67520-0800**
6/12	100	63	500	292	65	8,1	152	140.000	2,1	1	**67520-1000**
6/12	125	63	480	292	88	4,5	117	430.000	3,7	1	**67520-1250**
6/12	160	63	610	292	88	4,0	175	670.000	3,7	1	**67520-1600**
10/24	6,3	63	23	442	56	640	31	800	2,3	1	**67541-0060**
10/24	10	63	36	442	56	386	48	2.000	2,3	1	**67541-0100**
10/24	16	63	73	442	56	127	42	2.340	2,3	1	**67541-0160**
10/24	20	63	91	442	56	97	53	3.900	2,3	1	**67541-0200**
10/24	25	63	116	442	56	73	60	6.500	2,3	1	**67541-0250**
10/24	31,5	63	125	442	56	57	84	7.000	2,3	1	**67541-0320**
10/24	40	63	161	442	56	41	96	14.200	2,3	1	**67541-0400**
10/24	50	63	230	442	65	35	146	24.200	3,1	1	**67541-0500**
10/24	63	63	350	442	65	24	163	46.400	3,1	1	**67541-0630**
10/24	80	63	460	442	65	19	196	104.000	3,1	1	**67541-0800**
10/24	100	63	420	442	88	14	279	140.000	4,1	1	**67541-1000**
20/36	6,3	31,5	23	537	56	889	39	600	2,7	1	**67550-0060**
20/36	10	31,5	34	537	56	529	66	2.000	2,7	1	**67550-0100**
20/36	16	31,5	70	537	56	190	67	2.340	2,7	1	**67550-0160**
20/36	20	31,5	100	537	56	153	84	3.900	2,7	1	**67550-0200**
20/36	25	31,5	110	537	56	118	100	6.500	2,7	1	**67550-0250**
20/36	31,5	31,5	135	537	65	82	119	7.000	3,7	1	**67550-0320**
20/36	40	20	205	537	65	63	176	14.200	3,7	1	**67550-0400**
20/36	50	20	220	537	88	41	183	40.000	6,5	1	**67550-0500**

* Power dissipation P_{warm} at HV fuse-link rated current; for power dissipation at transformer rated current see table 2

HV Fuse-Links

HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1 **Table 11**

Electrical data, dimensions, weight

Rated voltage range	Rated current	Rated value Maximum breaking current	Rated value Minimum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	I_3 A	e mm	d mm	$R_{initial}$ mΩ	P_{warm} * W	A2s	kg		
3/7,2	2	63	15	192	56	290	1,8	600	1,1	1	**67210-0020**
3/7,2	4	63	20	192	56	270	5	800	1,1	1	**67210-0040**
3/7,2	6,3	63	21	192	56	256	11	800	1,1	1	**67110-0060**
3/7,2	10	63	38	192	56	144	19	3.000	1,1	1	**67110-0100**
3/7,2	16	63	65	192	56	41	13	2.340	1,1	1	**67110-0160**
3/7,2	20	63	92	192	56	32	14,5	3.900	1,1	1	**67110-0200**
3/7,2	25	63	110	192	56	25	20	4.900	1,1	1	**67110-0250**
3/7,2	31,5	63	123	192	56	19	23	7.000	1,1	1	**67110-0320**
3/7,2	40	63	140	192	56	12,3	30	14.000	1,1	1	**67110-0400**
3/7,2	50	63	194	192	56	9,3	35	25.300	1,1	1	**67110-0500**
3/7,2	63	63	220	192	65	8,75	60	41.200	1,4	1	**67210-0630**
3/7,2	80	63	306	192	65	6,3	85	84.000	1,4	1	**67210-0800**
3/7,2	100	63	363	192	65	5	96	93.600	1,4	1	**67210-1000**
3/7,2	125	63	440	192	88	2,9	75	440.000	2,4	1	**67110-1250**
3/7,2	160	63	509	192	88	2,5	120	500.000	2,4	1	**67210-1600**
3/7,2	200	63	612	192	88	2,3	200	654.000	2,4	1	**67210-2000**
6/12	1	63	14	292	56	1500	1,6	90	1,6	1	**67220-0010**
6/12	2	63	16	292	56	510	2	280	1,6	1	**67220-0020**
6/12	4	63	22	292	56	338	6	500	1,6	1	**67220-0040**
6/12	6,3	63	30	292	56	190	8	600	1,6	1	**67220-0060**
6/12	10	63	42	292	56	139	16	1.150	1,6	1	**67220-0100**
6/12	16	63	54	292	56	107	38	1.290	1,6	1	**67220-0160**
6/12	20	63	73	292	56	71	38	3.200	1,6	1	**67220-0200**
6/12	25	63	93	292	56	52	46	5.200	1,6	1	**67220-0250**
6/12	31,5	63	105	292	56	43	65	7.200	1,6	1	**67220-0320**
6/12	40	63	125	292	56	23	54	23.300	1,6	1	**67220-0400**
6/12	50	63	160	292	56	18	70	34.900	1,6	1	**67220-0500**
6/12	63	63	230	292	56	12	85	58.300	1,6	1	**67220-0630**
6/12	80	63	350	292	65	10,6	114	90.000	2,1	1	**67220-0800**
6/12	100	63	500	292	65	8,5	156	140.000	2,1	1	**67220-1000**
6/12	125	63	480	292	88	4	117	440.000	3,7	1	**67220-1250**
6/12	160	63	560	292	88	4,3	217	500.000	3,7	1	**67220-1600**
6/12	200	63	610	292	88	3,8	333	654.000	3,7	1	**67220-2000**
6/12	250	63	740	292	88	-	-	-	-	1	**67220-2500**
10/17,5	2	63	15	367	56	610	4	600	1,9	1	**67230-0020**
10/17,5	4	63	20	367	56	580	15	800	1,9	1	**67230-0040**
10/17,5	50	63	165	367	65	28	117	20.600	2,6	1	**67230-0500**
10/17,5	63	63	220	367	65	21	150	41.200	2,6	1	**67230-0630**
10/17,5	80	63	300	367	65	15	183	84.000	2,6	1	**67230-0800**
10/17,5	100	63	350	367	65	13	260	93.600	2,6	1	**67230-1000**
10/24	1	63	14	442	56	2100	2	90	2,3	1	**67240-0010**
10/24	2	63	16	442	56	800	3	340	2,3	1	**67240-0020**
10/24	4	63	23	442	56	550	10	450	2,3	1	**67240-0040**
10/24	6,3	63	30	442	56	300	13	530	2,3	1	**67240-0060**
10/24	10	63	43	442	56	220	26	940	2,3	1	**67240-0100**
10/24	16	63	54	442	56	197	73	1.400	2,3	1	**67240-0160**
10/24	20	63	73	442	56	134	76	3.100	2,3	1	**67240-0200**
10/24	25	63	93	442	56	96	89	4.500	2,3	1	**67240-0250**
10/24	31,5	63	105	442	56	79	127	5.900	2,3	1	**67240-0320**
10/24	40	63	125	442	56	45	114	18.800	2,3	1	**67240-0400**
10/24	50	63	205	442	56	35	147	33.500	2,3	1	**67240-0500**
10/24	63	63	350	442	65	29	163	46.400	3,1	1	**67240-0630**
10/24	80	63	310	442	65	20,5	233	84.000	3,1	1	**67240-0800**
10/24	100	63	430	442	78	18	400	93.600	4,1	1	**67240-1000**
10/24	125	40	760	442	88	11	340	350.000	5,9	1	**67240-1250**
10/24	160	31,5	900	442	88	9,6	515	500.000	5,9	1	**67240-1600**
10/24	200	31,5	1050	442	88	7,4	740	730.000	5,9	1	**67240-2000**

HV Fuse-Links

Rated voltage range	Rated current	Rated value Maximum breaking current	Rated value Minimum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	I_3 A	e mm	d mm	$R_{initial}$ mΩ	P_{warm} * W	A2s	kg		
20/36	2	31,5	15	537	56	950	9	600	2,7	1	**67250-0020**
20/36	4	31,5	20	537	56	900	32	800	2,7	1	**67250-0040**
20/36	6,3	31,5	23	537	56	827	39	600	2,7	1	**67150-0060**
20/36	10	31,5	34	537	56	520	65	2.000	2,7	1	**67150-0100**
20/36	16	31,5	70	537	56	210	67	2.340	2,7	1	**67150-0160**
20/36	20	31,5	100	537	56	165	84	3.900	2,7	1	**67150-0200**
20/36	25	31,5	110	537	56	125	100	6.500	2,7	1	**67150-0250**
20/36	31,5	31,5	135	537	65	85	119	7.000	3,7	1	**67150-0320**
20/36	40	20	205	537	65	65	176	14.200	3,7	1	**67150-0400**
20/36	50	20	220	537	88	45	183	40.000	6,5	1	**67150-0500**
20/36	63	20	360	537	88	35	271	61.700	6,5	1	**67150-0630**

HV back-up Fuse-Links acc. to VDE 0670 T4 and T4 ÜLA
Time-current characteristics

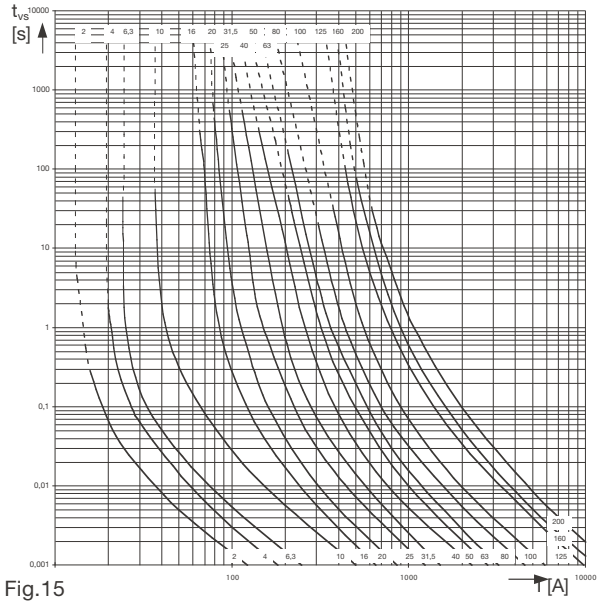


Fig.15
3/7.2 kV

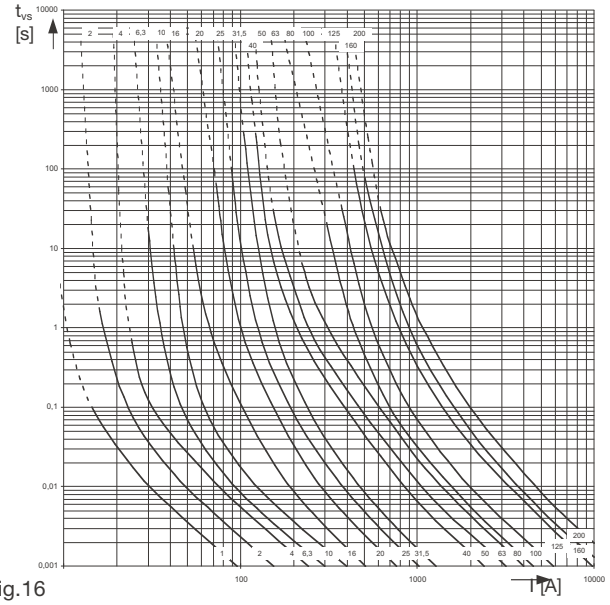


Fig.16
6/12 kV

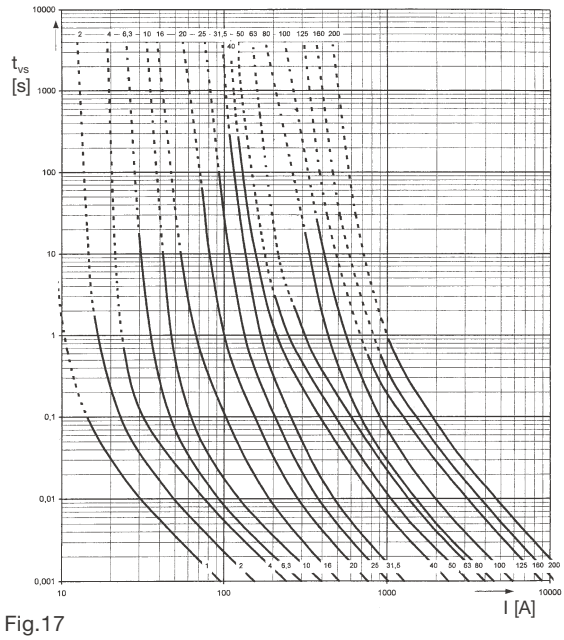


Fig.17
10/24 kV

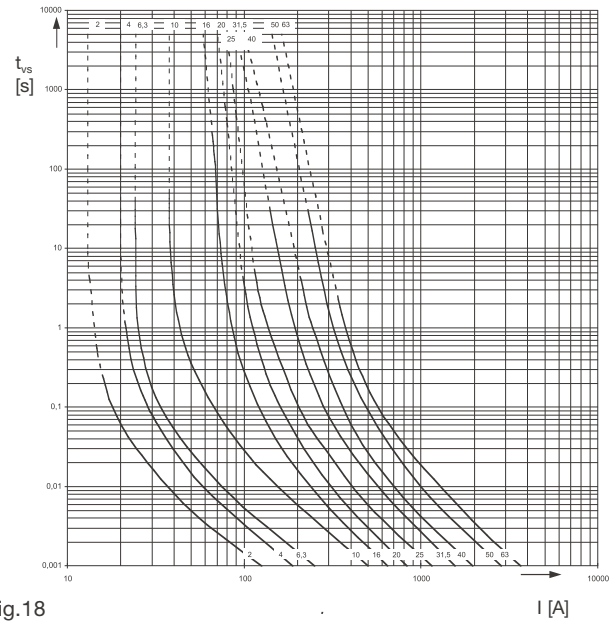


Fig.18
20/36 kV

HV Fuse-Links

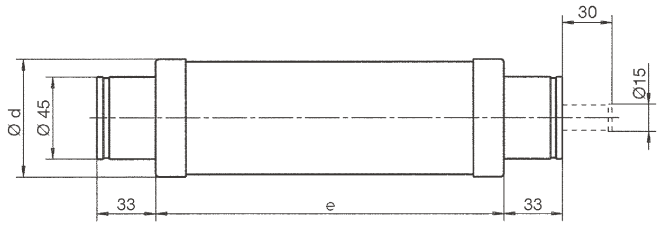
EFEN HV back-up Fuse-Links acc. to VDE 0670 T4 / IEC 60 282-1

Electrical data, dimensions, weight

Rated voltage range	Rated current	Rated value Maximum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	e mm	d mm	$R_{initial}$ mΩ	P_{warm} * W	A2s	kg		
6/12	1	63	442	56	1500	1,5	90	2,3	1	**67004-0010**
6/12	2	63	442	56	510	2	280	2,3	1	**67004-0020**
6/12	4	63	442	56	338	6	500	2,3	1	**67004-0040**
6/12	6,3	63	442	56	190	7	600	2,3	1	**67004-060**
6/12	10	63	442	56	139	16	1.150	2,3	1	**67004-0100**
6/12	16	63	442	56	107	36	1.290	2,3	1	**67004-0160**
6/12	20	63	442	56	71	37	3.200	2,3	1	**67004-0200**
6/12	25	63	442	56	52	44	5.200	2,3	1	**67004-0250**
6/12	31,5	63	442	56	43	63	7.200	2,3	1	**67004-0320**
6/12	40	63	442	56	23	50	23.300	2,3	1	**67004-0400**
6/12	50	63	442	56	18	60	34.900	2,3	1	**67004-0500**
6/12	63	63	442	56	12	77	58.300	2,3	1	**67004-0630**
6/12	80	63	442	65	10,6	101	90.000	3,1	1	**67004-0800**
6/12	100	63	442	65	8,5	140	140.000	3,1	1	**67004-1000**
6/12	125	63	442	88	4	100	440.000	5,9	1	**67004-1250**
6/12	160	63	442	88	4	160	500.000	5,9	1	**67004-1600**
6/12	200*	63	442	88	3,5	248	654.000	5,9	1	**67004-2000**

* Reduction factor 0.95

Dimensions acc. to DIN 43 625 in mm



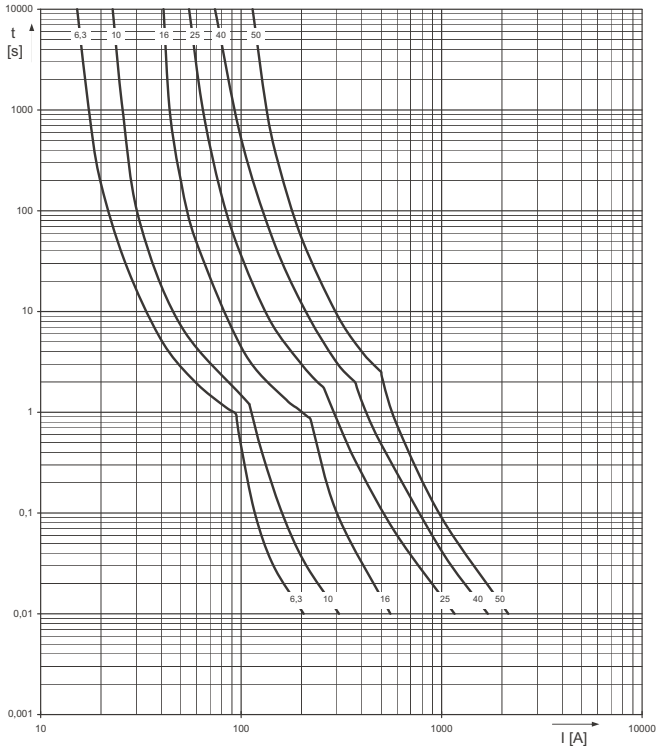
HV Fuse-Links

EFEN HV general-purpose Fuse-Links **Table 12**

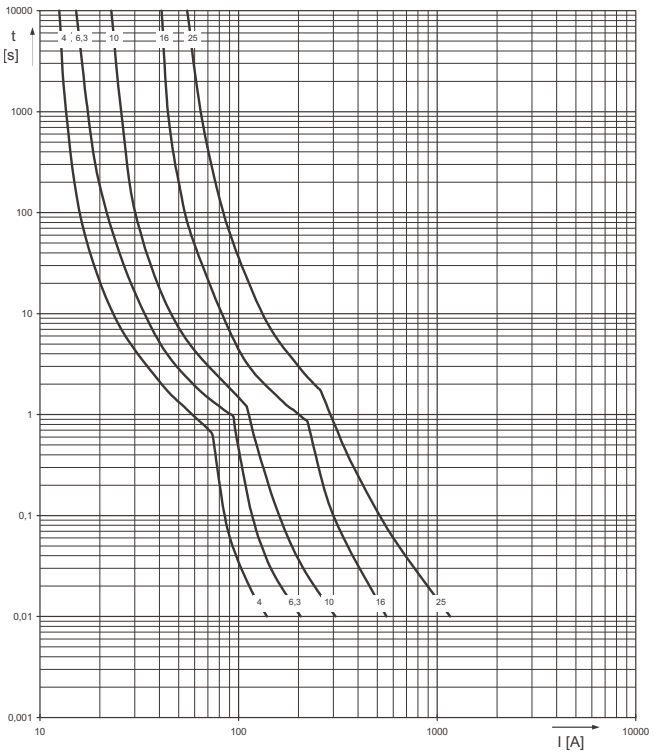
Electrical data, dimensions, weight

Rated voltage range	Rated current	Rated value Maximum breaking current	Dimensions		Resistance and power dissipation		Operating integral	Weight	PU	Order no.
U_N kV	I_N A	I_1 kA	e mm	d mm	$R_{initial}$ mΩ	P_{warm} * W	A2s	kg		
6/12	6,3	40	292	65	132	6	2.000	2,3	1	**67420-0060**
6/12	10	40	292	65	70	8	3.800	2,3	1	**67420-0100**
6/12	16	40	292	65	35	10	14.000	2,3	1	**67420-0160**
6/12	25	40	292	65	21	15	36.000	2,3	1	**67420-0250**
6/12	40	40	292	78	13	24	110.000	3,1	1	**67420-0400**
6/12	50	40	292	88	10	31	150.000	3,7	1	**67420-0500**
10/24	4	40	442	78	280	5	1.800	4,1	1	**67440-0040**
10/24	6,3	40	442	78	260	11	2.000	4,1	1	**67440-0060**
10/24	10	40	442	78	138	15	3.600	4,1	1	**67440-0100**
10/24	16	40	442	78	70	21	14.000	4,1	1	**67440-0160**
10/24	25	40	442	88	41	31	39.000	4,5	1	**67440-0250**

Time-current characteristics for HV general-purpose Fuse-Links 6/12 kV 6.3 A to 50 A acc. to IEC 60282-1 / VDE 0670 part 4



Time-current characteristics for HV general-purpose Fuse-Links 10/24 kV 4 A to 25 A acc. to VDE 0670 part 4



HV Accessories

HV fuse base acc. to DIN 43 624 for indoor use

Electrical data, dimensions, weight **Table 13**

Order no.	U_N kV	In A	Dimensions in mm								Weight in kg	PU
			a	b	c	d	e	f	g	h		
68007-0010	12	200	293	255	195	323	425	55	453	55	3,8	1
68008-0010	24	200	443	335	275	473	575	300	603	66	4,8	1
68012-0010	36	200	538	495	435	568	700	380	698	108	9,4	1
68021-0010	7,2	200	193	254	194	223	325	55	353	55		

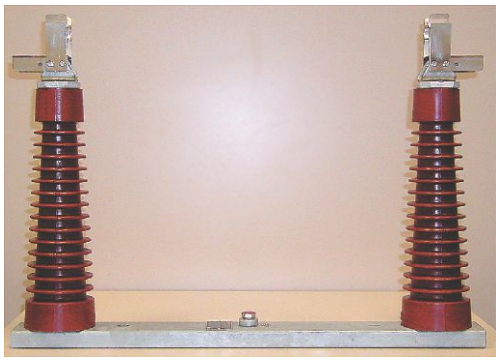
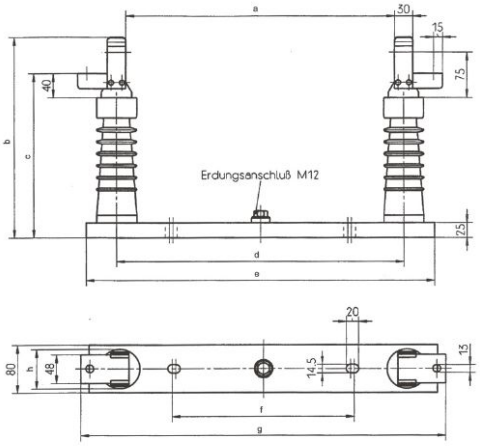


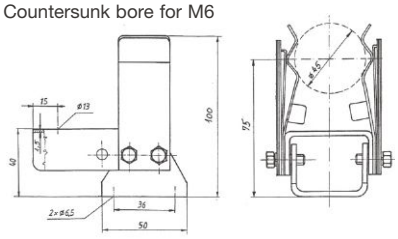
Fig. 19
HV fuse base for indoor use



Fuse-Base contacts, rated current 200 A **Table 14**

Terminal bolt M10x35

Countersunk bore for M6



68016-0010

Application	Indoor and outdoor use
Contact spring	E-copper silver-plated
Terminal lug	E-copper tin-plated
Weight	0,42 kg
Order no.	68016-0010

Application	Indoor and outdoor use
Contact spring	E-copper silver-plated
Terminal lug	E-copper tin-plated
Weight	0,35 kg
Order no.	81931-0100

HV Accessories

Adapter for high-voltage Fuse-Links acc. to DIN 43 625
for extending the fuse-link from dimension “e”
292 mm (12 kV) to 442 mm (24 kV)

Designation	Variant	Order no.
Adapter	Surface: silver	68003-0100
Adapter		68003-0200
Wall rack		68004-0010

Adapter

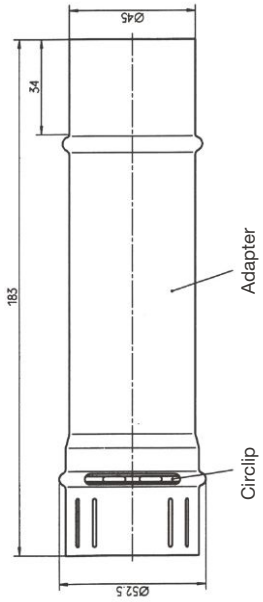


Fig. 20

Wall rack

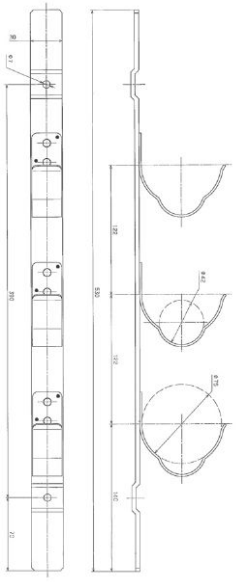


Fig. 21

Test device for tripping

Test device



Extension
12 kV



Extension
24 kV



Fig. 22

Mechanical test fuse-link of type HPS is used to check the tripping of load-break switches. Similar to an HV fuse-link, the test fuse-link consists of a cylindrical fuse body and contains a mechanical tripping mechanism with a timer and striker.

After activation of the timer, the striker is pushed in quickly and the fuse is inserted into the fuse box of the switch to be checked. After approx. 100 s, the switching mechanism trips, knocking out the striker. The dimensions of the test fuse-link correspond to those of HV fuse-links with a rated voltage of 7.2 kV. Extensions are available to adapt the test device to fuse-links of a different voltage.

1. Activate the timer using the yellow pin.
2. Push the striker in quickly.
3. If necessary, put on the adapter.
4. Insert the device into the fuse compartment of the switch and close it.
5. Wait for the device to trip.

Safety notice:
Risk of injury while the timer is running and the striker has not tripped.
Stay clear of the tripping area of the test fuse-link.
Do not use test fuse-link under voltage.

The test fuse-link has been designed for a nominal tripping force of 65 N that is less than the tripping characteristic of the EFEN HV fuse-link. This ensures the reliable tripping of the actual HV fuse-link.

Designation	Dimensions			PU	Order no.
	Diameter in mm	Length in mm	Resulting dimension “e” in mm		
Test device 65 N 192 mm (7.2 kV)	67	190	190	1	68013-0020
Extension to 292 mm (12 kV)	61	100	290	1	68014-0010
Extension to 442 mm (24 kV)	61	250	440	1	68015-0010



Safe Distribution of High Currents

As a specialist for safety interfaces, EFEN offers the optimum portfolio of innovative power distribution components. Our focus is on user-friendly installation, a responsible handling of energy as a resource and also on application-oriented solutions.



NH Fuse-Bases

Comprehensive product range by EFEN for switchgear and distributor manufacturing. The range includes sizes 000 to 3L for all common mounting types and also various application-specific designs. A full range of accessories for many connection versions as well as partition walls, contact and fuse covers is available.

Product overview page 110



NH Fuse-Switches, horizontal design

Perfectly-tuned systems with one to four switching poles and in sizes 000 to 3. In DC applications, the compact TPS fuse-switches and load-break switches save space and costs. A comprehensive range of accessories allows various application-specific solutions to be realized.

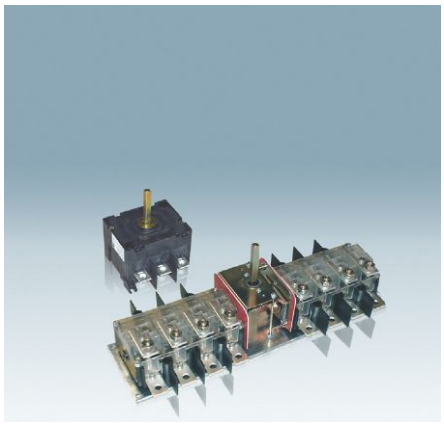
Product overview page 126



NH Fuse-Switches, vertical design and Fuse-Rails

The core competences of EFEN comprise vertical-design NH fuse-switches for safe power distribution. Vertical-design E³ NH fuse-switches offer excellent electrical properties and many upgrade options for smart power distribution.

Product overview page 180



Switch-fuses, load-changeover switches

Switch-fuses and load-changeover switches by EFEN are characterized by their robust functionality and compact design. The range comprises 3- and 4-pole versions as well as bypass versions with and without fuse-links.

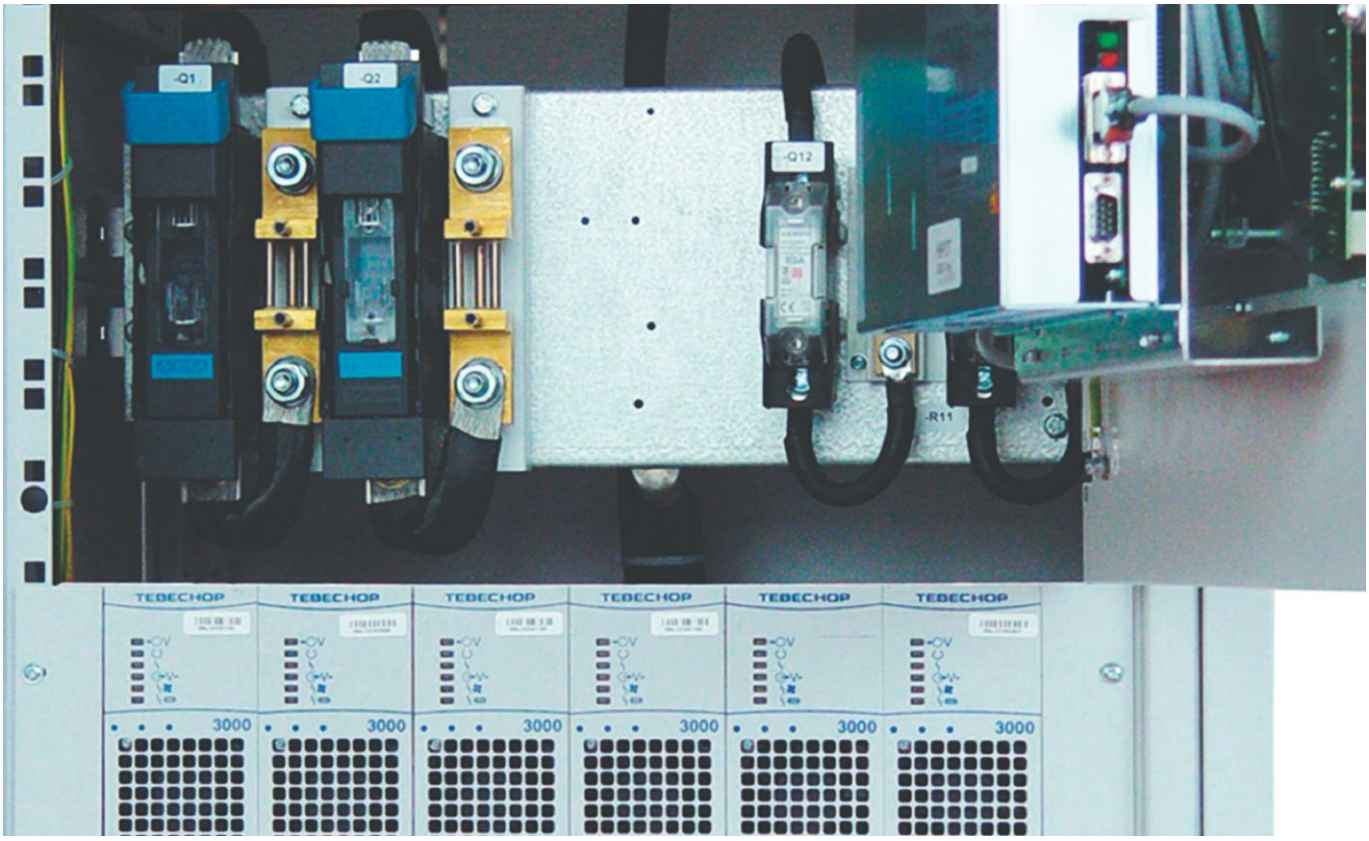
Product overview page 244



D0 Fuse-Switches, horizontal design

For D01 and D02 fuse-links and 10x38 cylindrical fuse-links. The tried-and-tested products by EFEN are compact and easy to install. Connections are user-friendly the tripped state is clearly indicated.

Product overview page 264



NH Fuse-Bases

A large and comprehensive product range by EFEN for easy and low-cost realization of distribution systems. The range comprises systems for base-plate, supporting-rail and 60 mm busbar mounting. Various application-specific designs and a full range of accessories for many connection types as well as partition walls, contact and fuse covers complement the offer.

System
EFEN NH fuse-bases represent a simple and easy way of integrating NH fuse-links into power distribution systems. The product range includes sizes 000 to 3L for common installation systems and also various application-specific designs. The portfolio is complemented by a comprehensive range of accessories.

Features
The specific benefit of open NH fuse-bases is their suitability for use with NH fuse-links with high power dissipation such as gR fuse-links used in current transformer or machinery protection. Accessories can be retrofitted to provide protection against accidental contact.



NH Fuse-Bases

NH Fuse-Bases 690 V AC, 1-pole for baseplate and supporting-rail mounting page 112

NH Fuse-Bases 690 V AC, 3-pole for baseplate and supporting-rail mounting page 113

NH Fuse-Bases 690 V AC, 3-pole for baseplate and busbar mounting, SILAS series page 113

NH Fuse-Bases 690 V AC, 1-pole for busbar mounting page 114

NH Fuse-Bases 1500 V AC, 1-pole for baseplate mounting page 114

Accessories for NH Fuse-Bases page 115

Technical data page 117

Solutions for measurement and power management page 353

NH Fuse-Bases
up to 1500 V



NH Fuse-Base
3-pole, size 000, for baseplate and supporting-rail mounting



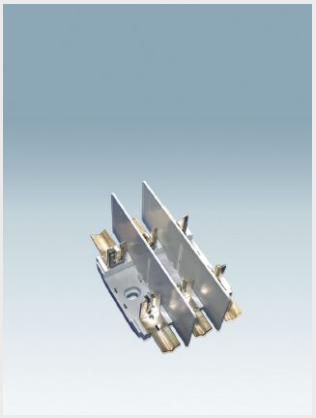
NH Fuse-Bases
1-pole version



NH Fuse-Base
for busbar mounting



NH Fuse-Bases
3-pole version



Accessories
Wide product range



NH Fuse-Bases
SILAS series



NH Fuse-Bases 690 V AC, 1-pole, for baseplate and supporting-rail mounting acc. to VDE 0636 T201 / IEC 60269-2-1

▶ Technical data, page 117



33600-0020

NH Fuse-Bases 690 V AC

Features:
- 1-pole for baseplate mounting
- Without partition walls or contact covers
- All devices include connecting hardware (except V-clamps)

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal with pressure plates for cables 1.5 – 50 mm²	00	125	12	NH-UNT 00 125A U3U3	**33600-0030**
Flat terminal M8 for baseplate mounting, size 00, suitable for TPS fuses up to 250 A	00	160	10	NH-UNT 00 160A G4G4	**33120-0010**
Flat terminal M8	00	160	12	NH-UNT 00 160A L4L4	**33600-0010**
Clinch nut M8	00	160	12	NH-UNT 00 160A G4G4	**33600-0020**
Multiple-use terminal with pressure plates and contact prism for cables 1.5 – 70 mm²	00	160	12	NH-UNT 00 160A U4U4	**33600-0040**
V-terminal (not including V-clamps)	00	160	12	NH-UNT 00 160A V2V2	**33600-0050**
Clamp for 2 x 35 mm²	00	160	12	NH-UNT 00 160A S9S9	**33600-0060**
Flat terminal M10	1	250	3	NH-UNT 1 250A L5L5	**33627-0010**
Clinch nut M10	1	250	3	NH-UNT 1 250A G5G5	**33627-0020**
V-terminal (not including V-clamps)	1	250	3	NH-UNT 1 250A V2V2	**33627-0050**
Flat terminal M10	2	400	3	NH-UNT 2 400A L5L5	**33632-0010**
Clinch nut M10	2	400	3	NH-UNT 2 400A G5G5	**33632-0020**
V-terminal (not including V-clamps)	2	400	3	NH-UNT 2 400A V2V2	**33632-0050**
Flat terminal M12	3	630	3	NH-UNT 3 L6L6	**33035-0020**
Clinch nut M10	3	630	3	NH-UNT 3 G5G5	**33036-0020**
Flat terminal M8	00	160	12	NH-UNT 00 160A HB L4L4	**33602-0010**



33602-0020

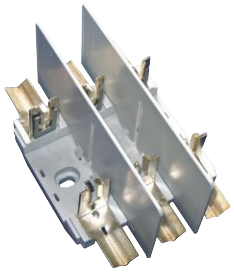
NH Fuse-Bases 690 V AC

Features:
- 1-pole for supporting-rail mounting
- All devices include connecting hardware (except V-clamps)

Designation	Size	Amps	PU	Product designation	Order no.
Clinch nut M8	00	160	12	NH-UNT 00 160A HB G4G4	**33602-0020**
Multiple-use terminal with pressure plates for cables 1.5 – 50 mm²	00	125	12	NH-UNT 00 125A HB U3U3	**33602-0030**
Multiple-use terminal with pressure plates and contact prism for cables 1.5 – 70 mm²	00	160	12	NH-UNT 00 160A HB U4U4	**33602-0040**
V-terminal (not including V-clamps)	00	160	12	NH-UNT 00 160A HB V2V2	**33602-0050**
Clamp for 2 x 35 mm²	00	160	12	NH-UNT 00 160A HB S9S9	**33602-0060**
Flat terminal M8 for supporting-rail mounting, size 00, suitable for TPS fuses up to 250 A	00	160	10	NH-UNT 00 160A HB G4G4	**33120-0070**

NH Fuse-Bases 690 V AC, 3-pole, for baseplate and supporting-rail mounting acc. to VDE 0636 T201 / IEC 60269-2-1

▶ Technical data, page 121



33608-0010

NH Fuse-Bases 690 V AC

Features:
- 3-pole for baseplate mounting
- Including 2 partition walls, no covers
- All devices include connecting hardware (except V-clamps)

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal with pressure plates for cables 1.5 – 50 mm²	00	125	4	NH-UNT 00 3P 125A U3U3	**33608-0030**
Flat terminal M8	00	160	4	NH-UNT 00 3P 160A L4L4	**33608-0010**
Clinch nut M8	00	160	4	NH-UNT 00 3P 160A G4G4	**33608-0020**
Multiple-use terminal with pressure plates and contact prism for cables 1.5 – 70 mm²	00	160	4	NH-UNT 00 3P 160A U4U4	**33608-0040**
V-terminal (not including V-clamps)	00	160	4	NH-UNT 00 3P 160A V2V2	**33608-0050**
Clamp for 2 x 35 mm²	00	160	4	NH-UNT 00 3P 160A S9S9	**33608-0060**
Flat terminal M10	1	250	1	NH-UNT 1 3P 250A L5L5	**33631-0010**
Clinch nut M10	1	250	1	NH-UNT 1 3P 250A G5G5	**33631-0020**
V-terminal (not including V-clamps)	1	250	1	NH-UNT 1 3P 250A V2V2	**33631-0050**
Flat terminal M10	2	400	1	NH-UNT 2 3P 400A L5L5	**33633-0010**
Clinch nut M10	2	400	1	NH-UNT 2 3P 400A G5G5	**33633-0020**
V-terminal (not including V-clamps)	2	400	1	NH-UNT 2 3P 400A V2V2	**33633-0050**
Flat terminal M12	3	630	1	NH-UNT 3 3P L6L6	**33037-0010**



33125-0010

NH Fuse-Bases 690 V AC, size 000

Features:
- 3-pole for supporting-rail mounting
- Suitable for baseplate mounting with supporting-rail mounting removed

Designation	Size	Amps	PU	Product designation	Order no.
Box terminal 1.5 – 50 mm², for supporting-rail mounting	000	160	10	NH-UNT 000 3P 160A HB R4R4	**33125-0010**

NH Fuse-Bases 690 V AC, 3-pole, for baseplate and busbar mounting, SILAS series

▶ Technical data, page 125



33300-0000

NH Fuse-Bases, SILAS series, 3-pole for baseplate mounting

Features:
- Compact base for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8)	00	160	1	SILAS NH-UNT 00 3P G4G4	**33300-0000**
Box clamp 1.5 – 70 mm²	00	160	1	SILAS NH-UNT 00 3P RR	**33301-0000**
Multiple-use terminal (bolt M10)	1	250	1	SILAS NH-UNT 1 3P G5G5	**33320-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS NH-UNT 2 3P G5G5	**33330-0000**



33304-0000

NH Fuse-Bases, SILAS series, 3-pole, for busbar mounting on 60 mm systems with hook contacting

Features:
- Compact base for busbar mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8)	00	160	1	SILAS NH-UNT 00 SB 3P G4	**33304-0000**
Box clamp 1.5 – 70 mm²	00	160	1	SILAS NH-UNT 00 SB 3P R	**33305-0000**
Multiple-use terminal (bolt M10)	1	250	1	SILAS NH-UNT 1 SB 60 3P G5	**33321-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS NH-UNT 2 SB 60 3P G5	**33331-0000**

NH Fuse-Bases 690 V AC, 1-pole, for busbar mounting acc. to VDE 0636 T201 / IEC 60269-2-1

▶ Technical data, page 120



33003-0020

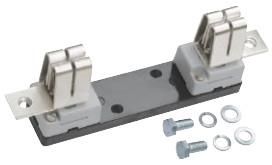
NH Fuse-Bases 690 V AC

Features:
- 1-pole, for contacting on busbar systems according to DIN 43870

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8, clamp mounting	00	160	10	NH-UNT 00 160A SB F1L4	**33001-0020**
Flat terminal M8 for busbar mounting, size 00, suitable for TPS fuses up to 250 A	00	160	10	A NH-UNT 00 160A SB F2L4	**33003-0020**
Flat terminal M12, screw mounting	1-3	250-630	3	NH-UNT 1-3 SB SH L6	**33135-0010**

NH Fuse-Bases 1500 V AC, 1-pole for baseplate mounting

▶ Technical data, page 120



33039-0010

NH Fuse-Bases 1500 V AC, 1-pole, acc. to VDE 0636 T201 / IEC 60269-2-1

Features:
- NH fuse-bases, 1-pole, for use with NH fuse-links of size 3L

Designation	Size	PU	Product designation	Order no.
Clinch nut M12, without microswitch	3L	1	NH-UNT 3L 1500V G6G6	**33039-0010**
Clinch nut M12, with microswitch	3L	1	A NH-UNT 3L 1500V MS G6G6	**33041-0010**

Accessories for NH Fuse-Bases 690 V AC
acc. to VDE 0636 T201 / IEC 60269-2-1

▶ Technical data, on demand



90181-0100

Partition wall

Features:
- For NH fuse-bases (series 336 ...)

Designation	Size	PU	Product designation	Order no.
Partition wall, clamp contacting, for series 33003 ...	00	1	A TRENNWAND	**30744-0100**
Partition wall, hook contacting, for series 33003 ...	00	1	A TRENNWAND GR.00	**30780-0100**
Partition wall, short, 130 mm	00	1	TRENNWAND UNT 00 KURZ 130MM	**90181-0100**
Partition wall, long, V-clamp, 152 mm	00	1	TRENNWAND UNT 00 LANG V2 152MM	**90181-0200**
Partition wall, 210 mm	1	1	TRENNWAND UNT 1 210MM	**90184-0100**
Partition wall, 240 mm	2	1	TRENNWAND UNT 2 240MM	**90184-0200**
Partition wall, for series 33135, 33035, 33036, 33037	3	1	TRENNWAND GR.3	**30846-0100**

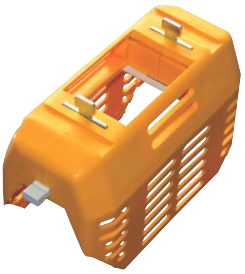


90182-0100

Contact covers

Features:
- For NH fuse-bases (series 336 ...)

Designation	Size	PU	Product designation	Order no.
Contact cover, for series 33003 ...	00	1	SCHUTZHAUBE GR.00	**31009-0100**
Contact cover, short	00	1	KONTAKTABDECKUNG UNT 00 KURZ	**90182-0100**
Contact cover, long, for V-clamp	00	1	KONTAKTABDECKUNG UNT 00 LANG V2	**90182-0200**
Contact cover	1	1	KONTAKTABDECKUNG UNT 1	**90185-0100**
Contact cover	2	1	KONTAKTABDECKUNG UNT 2	**90185-0200**



90186-0100

Fuse cover

Features:
- For NH fuse-bases (series 336 ...)

Designation	Size	PU	Product designation	Order no.
Fuse cover	00	1	SICHERUNGSABDECKUNG UNT 00	**90183-0100**
Fuse cover	1-2	1	SICHERUNGSABDECKUNG UNT 1-2	**90186-0100**
Contact cover with microswitch for fuse-monitoring of NH Fuse-Bases of series 33120...	00	1	KONTAKTABDECKUNGEN SU FÜR UNT GR.00	**36889-0010**



85246-0100

V-clamp

Features:
- For NH fuse-bases (series 336 ...)

Designation	Size	Amps	PU	Product designation	Order no.
V-clamp 35 – 70 mm²	00	160	1	KLEMME 35-70 SM	**85246-0100**
V-clamp up to 240 mm²	1-3	630	1	Klemme V2 MD 240sm/300rm	**85542-0100**



33680-0010

Neutral bar

Designation	Size	Amps	PU	Product designation	Order no.
Neutral bar with flat terminal M8	00	160	1	NULLSCHIENE 00 L4L4	**33680-0010**

Accessories for NH Fuse-Bases, SILAS series

▶ Technical data, on demand



36996-0010

Fuse cover for SILAS series

Designation	Size	PU	Product designation	Order no.
Fuse cover size 00	00	1	SICHERUNGSABDECKUNG NH-UNT GR.00 SILAS	**36996-0010**



36934-0010

Pressure plate for multiple-use terminal, SILAS series

Features:
- Simple addition for the connection of Cu conductors, se, sm and laminated copper (size 1 and 2 only)
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
6 - 50 mm²	00	160	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.00 SILAS	**36934-0010**
70 - 150 mm²	1	250	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.1 SILAS	**36936-0010**
120 - 240 mm²	2	400	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.2 SILAS	**36997-0010**



36975-0010

Pressure plate with contact prism for multiple-use terminal, SILAS series

Features:
- Simple addition for the connection of Cu and Al conductors
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
6 - 70 mm²	00	160	3	1SATZ (3STÜCK) KONTAKTPRISMA GR.00 SILAS	**36975-0010**
70 - 150 mm²	1	250	3	1SATZ (3STÜCK) KONTAKTPRISMEN GR.1 SILAS	**36942-0010**
120 - 240 mm²	2	400	3	1SATZ (3STÜCK) KONTAKTPRISMEN GR.2 SILAS	**36943-0010**
150 - 300 mm²	3	630	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.3 SILAS	**36991-0010**



36982-0010

Pressure plates with contact prism for 2 conductors, multiple-use terminal, SILAS series

Features:
- Simple addition for the connection of 2 Cu and Al conductors
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
2 x 35 - 70 mm²	1	250	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.1 SILAS	**36982-0010**
2 x 70 - 120 mm²	2	400	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.2 SILAS	**36983-0010**
2 x 150 - 185 mm²	3	630	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.3 SILAS	**36984-0010**

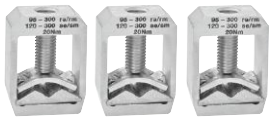


36937-0010

Supporting-rail mounting

Features:
- For 2 supporting rails with a spacing of 125 or 150 mm

Designation	Size	PU	Product designation	Order no.
Quick-mount kit for 2 supporting rails with a spacing of 125 or 150 mm	00 - 1	1	SCHNELLBEFESTIGUNG 125/150 GR.00/1 SILAS	**36937-0010**



36994-0010

Box clamp

Features:
- For the simple conversion from multiple-use terminal to box clamp
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
35 - 150 mm²	1	250	3	1SATZ (3STÜCK) RAHMENKLEMME GR.1 SILAS	**36992-0010**
95 - 300 mm²	2 - 3	630	3	1SATZ (3STÜCK) RAHMENKLEMME GR.2+3 SILAS	**36994-0010**

NH Fuse-Bases 690 V AC

Product overview of standard Fuse-Bases

Size Rated current (A)	00 125/160	1 250	2 400	3 630
1-pole, baseplate mounting	•	•	•	•
3-pole, baseplate mounting	•	•	•	•
Busbar supports, size 00 – 3	•	•	•	•
Supporting-rail mounting	•			

Product overview of special designs

Size	000	3L
1-pole, 1500 V AC		•
3-pole, supporting-rail mounting	•	

Product overview of EFEN SILAS Fuse-Bases, 3-pole

Size Rated current (A)	00 125/160	1 250	2 400
Baseplate mounting	•	•	•
Busbar mounting	•	•	•

Technical data acc. to VDE 0636 T201 / IEC 60269-2-1

Suitable for NH fuse-links according to DIN 43620/1	Size	000	00	1	2	3	3L
Rated operating current I_N	A	125	160	250	400	630	630
Rated voltage U_N	V	690					
Current type and rated frequency		AC 50Hz					
Rated isolation voltage U_i	V	690					
r.m.s value of the power-frequency test voltage for 60s	V	2500					
Maximum cut-out current / short-circuit withstand-current (when protected by NH fuse-links)	kA	25	25	38	48	70	25
Permissible ambient temperature	°C	-25 to +55					
Degree of protection acc. to DIN/EN 60529 / VDE 0470 T1	IP	IP 3x	IP 00				
Maximum permissible power dissipation of the NH fuse-link	W	12	12	32	45	60	132
Weight without fuse-links, 1-pole	kg	-	0,14	0,34	0,41	0,62	1,6
Weight without fuse-links, 3-pole	kg	0,33	0,52	1,03	1,22	-	-
Weight without fuse-links, 3-pole, SILAS series	kg	-	0,50	1,4	2,10	-	-

Tightening torques for terminals and busbar mounting

Size	NH 000	NH 00	NH 1	NH 2	NH 3
Type of terminal	Tightening torques (Nm)				
Multiple-use terminal (screw terminal)	-	12	20	20	20
Pressure plates with bolts	-	3	6	8	8
Pressure plates with bolts and contact prisms	-	3	6	8	8
Box clamp	-	6	6	8	8
Busbar contacting	4,5	4,5	12	20	20

NH Fuse-Bases
1-pole for baseplate mounting / supporting-rail mounting

NH Fuse-Bases, size 00 – 3, for baseplate mounting

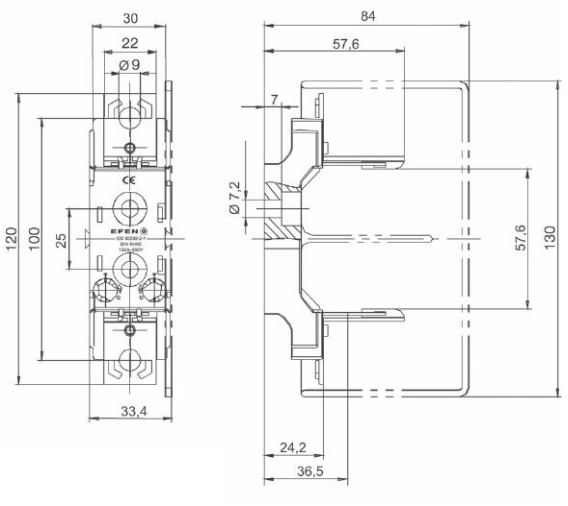
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Multiple-use terminal with pressure plates for cable 1.5 – 50 mm²	00	125	NH-UNT 00 125A U3U3	12	0,14	**33600-0030**
Flat terminal, bolt and nut M8	00	160	NH-UNT 00 160A L4L4	12	0,14	**33600-0010**
Clinch nut and bolt M8	00	160	NH-UNT 00 160A G4G4	12	0,14	**33600-0020**
Multiple-use terminal with pressure plates and contact prism for cable 1.5 – 70 mm²	00	160	NH-UNT 00 160A U4U4	12	0,14	**33600-0040**
V-terminal (not including V-clamps)	00	160	NH-UNT 00 160A V2V2	3	0,14	**33600-0050**
Clamp for 2 x 35 mm²	00	160	NH-UNT 00 160A S9S9	3	0,14	**33600-0060**
Neutral bar	00	160	NULLSCHIENE 00L4L4	10	0,120	**33680-0010**
Flat terminal M8	00	160	NH-UNT 00 160A G4G4	10	0,120	**33120-0010**
Flat terminal, bolt and nut M10	1	250	NH-UNT 1 250A L5L5	3	0,34	**33627-0010**
Clinch nut and bolt M10	1	250	NH-UNT 1 250A G5G5	3	0,34	**33627-0020**
V-terminal (not including V-clamps)	1	250	NH-UNT 1 250A V2V2	3	0,34	**33627-0050**
Flat terminal, bolt and nut M10	2	400	NH-UNT 2 400A L5L5	3	0,41	**33632-0010**
Clinch nut and bolt M10	2	400	NH-UNT 2 400A G5G5	3	0,41	**33632-0020**
V-terminal (not including V-clamps)	2	400	NH-UNT 2 400A V2V2	3	0,41	**33632-0050**
Flat terminal, bolt and nut M12	3	630	NH-UNT 3 L6L6	3	0,62	**33035-0020**
with clinch nut M10	3	630	NH-UNT 3 G5G5	3	0,62	**33036-0020**

NH Fuse-Bases size 00, for supporting-rail mounting

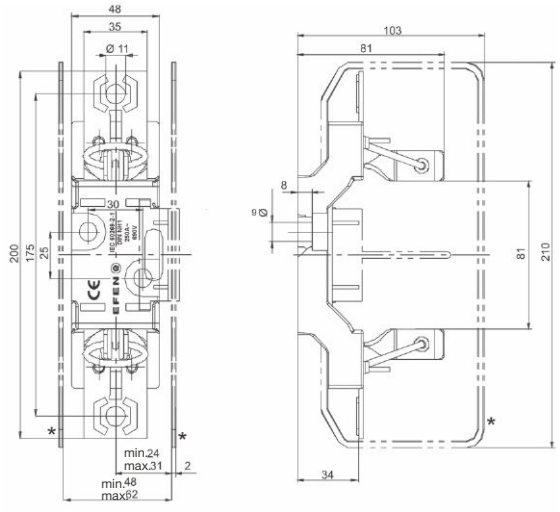
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Flat terminal, bolt and nut M8	00	160	NH-UNT 00 160A HB L4L4	12	0,14	**33602-0010**
Clinch nut and bolt M8	00	160	NH-UNT 00 160A HB G4G4	12	0,14	**33602-0020**
Multiple-use terminal with pressure plates for cables 1.5 – 50 mm²	00	125	NH-UNT 00 125A HB U3U3	12	0,14	**33602-0030**
Multiple-use terminal with pressure plates and contact prism for cables 1.5 – 70 mm²	00	160	NH-UNT 00 160A HB U4U4	12	0,14	**33602-0040**
V-terminal (not including V-clamps)	00	160	NH-UNT 00 160A HB V2V2	12	0,14	**33602-0050**
Clamp for 2 x 35 mm²	00	160	NH-UNT 00 160A HB S9S9	12	0,14	**33602-0060**
Flat terminal M8	00	160	NH-Unt 00 160 A HB G4G4	10	0,130	**33120-0070**

NH Fuse-Bases
1-pole for baseplate mounting / supporting-rail mounting

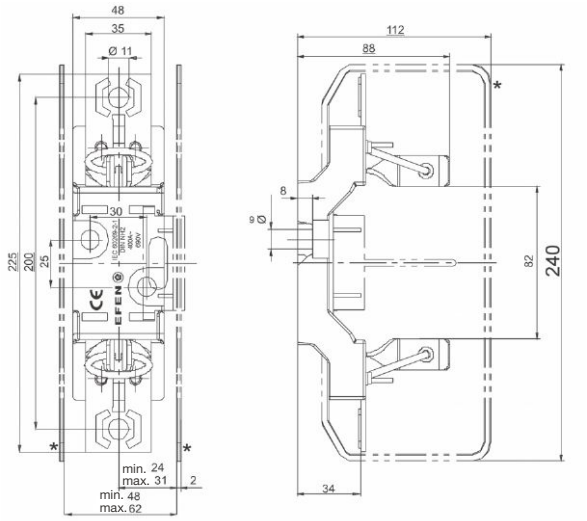
Size 00, series 336....



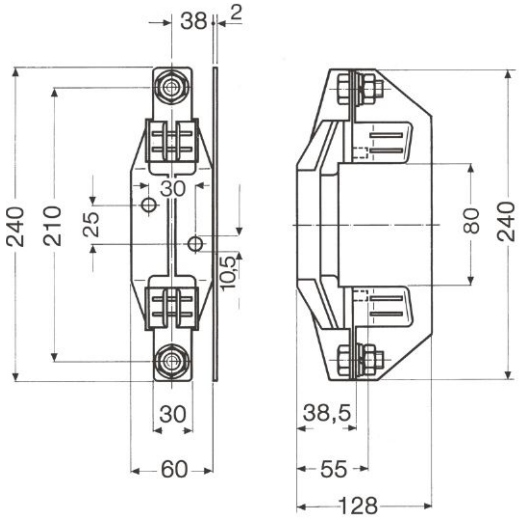
Size 1, series 336....



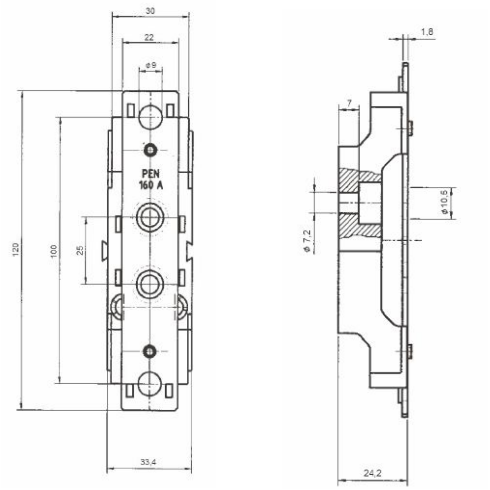
Size 2, series 336....



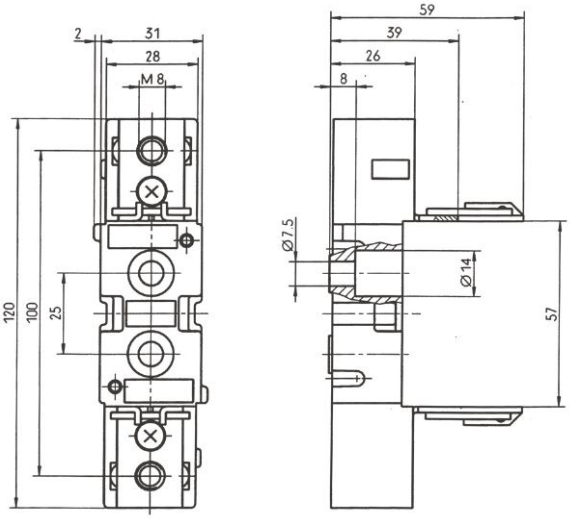
Size 3, series 3303....



Neutral bar, size 00



NH Fuse-Base, size 00 33120....



NH Fuse-Bases
1-pole for busbar mounting / baseplate mounting

NH Fuse-Bases size 00 – 3, for busbar mounting acc. to DIN 43870

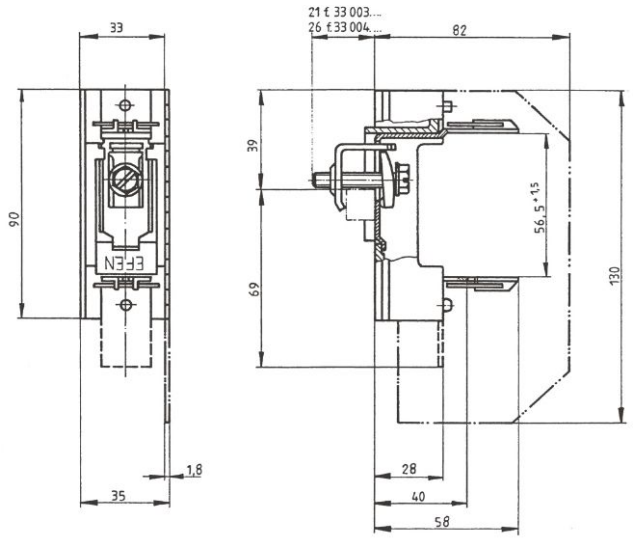
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Flat terminal M8, clamp mounting	00	160	NH-UNT 00 160A SB F2L4	10	0,14	**33003-0020**
Flat terminal M8, hook-mounting	00	160	NH-UNT 00 160A SB F1L4	10	0,14	**33001-0020**
Flat terminal M12, contact cover included	1-3	250-630	NH-UNT 1-3 SB SH L6	3	0,14	**33135-0010**

NH Fuse-Bases, size 3L, 1500 V AC, for baseplate mounting

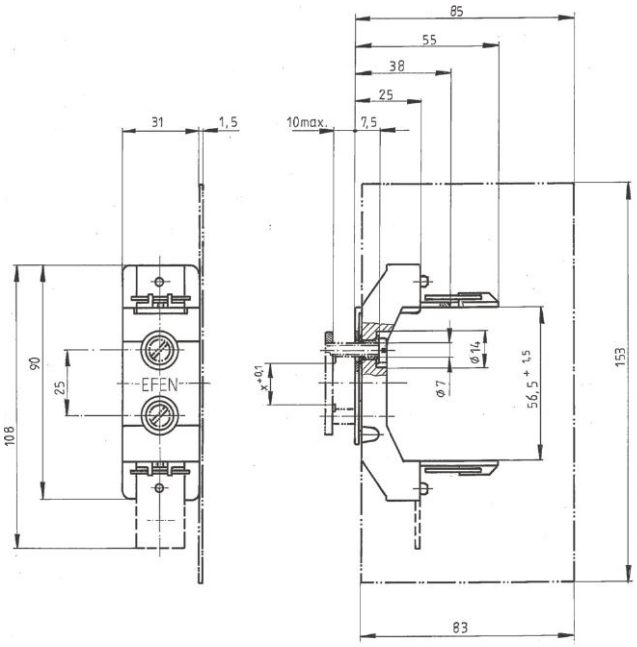
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Clinch nut M12, without microswitch	3L	425	NH-UNT 3L 1500 V G6 G6	1	1,24	**33039-0010**
Clinch nut M12, with microswitch	3L	425	NH-UNT 3L 1500 V Ms G6 G6	1	1,24	**33041-0010**

NH Fuse-Bases
1-pole for busbar mounting / baseplate mounting

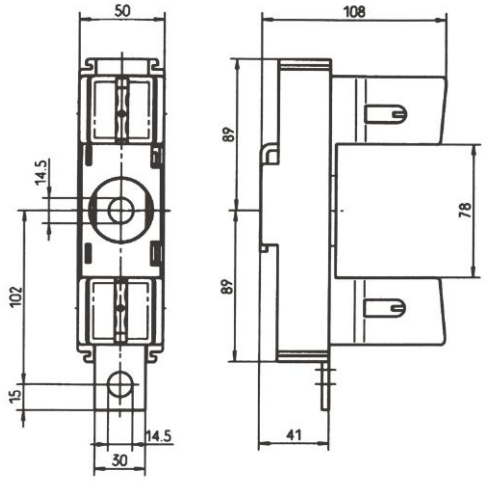
Size 00, 33003-0020



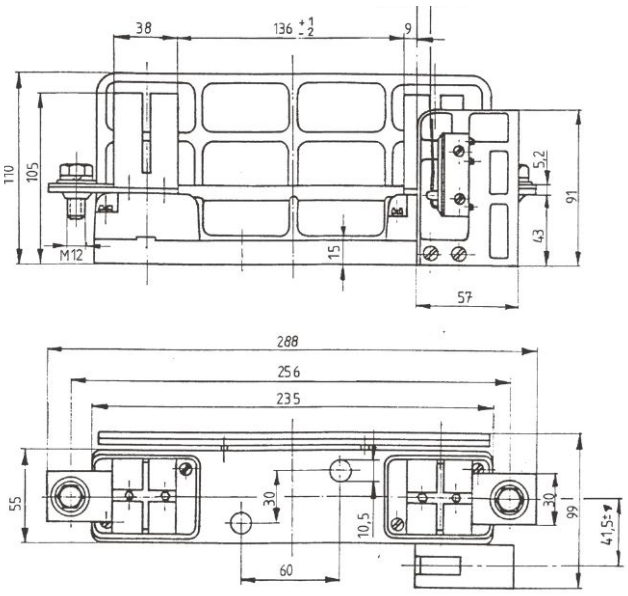
Size 00, 33001-0020



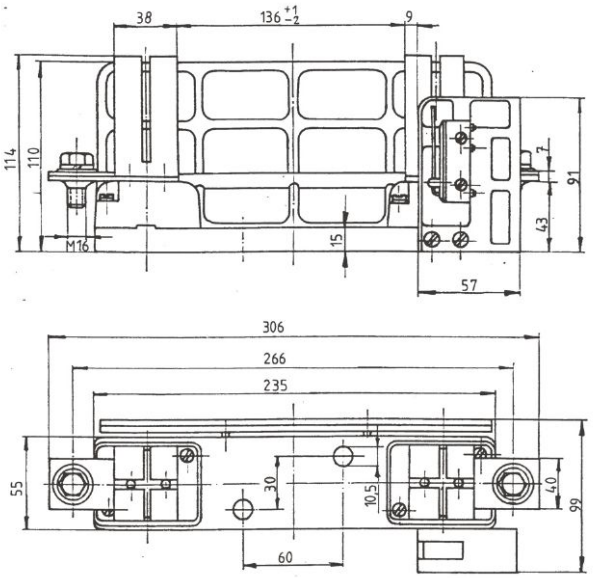
Size 3, 33135-0010



Size 3L clinch nut M12, 425 A, 33039-0010



Clinch nut M16, 630 A, 33041-0010



NH Fuse-Bases
3-pole for baseplate or supporting-rail mounting

NH Fuse-Bases 690 V AC, 3-pole, for baseplate mounting

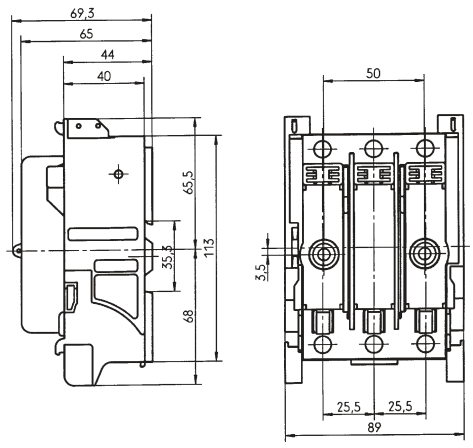
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Flat terminal M8	00	160	NH-UNT 00 3P 160A L4L4	4	0,52	**33608-0010**
Clinch nut M8	00	160	NH-UNT 00 3P 160A G4G4	4	0,52	**33608-0020**
Multiple-use terminal with pressure plates for cables 1.5 – 50 mm²	00	125	NH-UNT 00 3P 125A U3U3	4	0,52	**33608-0030**
Multiple-use terminal with pressure plates and contact prism for cables 1.5 – 70 mm²	00	160	NH-UNT 00 3P 160A U4U4	4	0,52	**33608-0040**
V-terminal (not including V-clamps)	00	160	NH-UNT 00 3P 160A V2V2	4	0,52	**33608-0050**
Clamp for 2 x 35 mm²	00	160	NH-UNT 00 3P 160A S9S9	4	0,52	**33608-0060**
Flat terminal M10	1	250	NH-UNT 1 3P 250A L5L5	1	1,03	**33631-0010**
Clinch nut M10	1	250	NH-UNT 1 3P 250A G5G5	1	1,03	**33631-0020**
V-terminal (not including V-clamps)	1	250	NH-UNT 1 3P 250A V2V2	1	1,03	**33631-0050**
Flat terminal M10	2	400	NH-UNT 2 3P 400A L5L5	1	1,22	**33633-0010**
Clinch nut M10	2	400	NH-UNT 2 3P 400A G5G5	1	1,22	**33633-0020**
V-terminal (not including V-clamps)	2	400	NH-UNT 2 3P 400A V2V2	1	1,22	**33633-0050**
Flat terminal M12	3	630	NH-UNT 3 3P L6L6	1	2,57	**33037-0010**

NH Fuse-Bases 690 V AC, 3-pole, for supporting-rail mounting

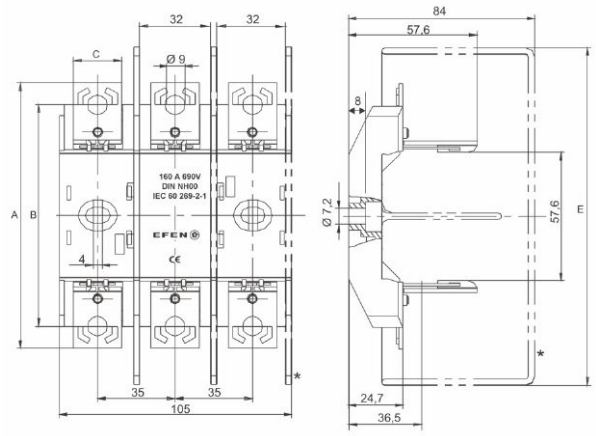
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Box clamp 1.5 – 50 mm²	000	100	NH-UNT 000 3P 160A HB R4R4	10	0,33	**33125-0010**

NH Fuse-Bases
3-pole for baseplate or supporting-rail mounting

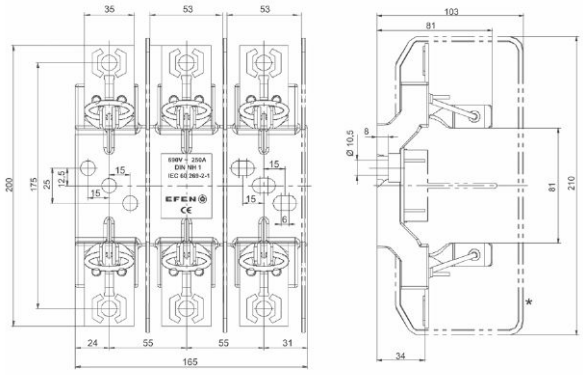
Size 000, 33125-0010



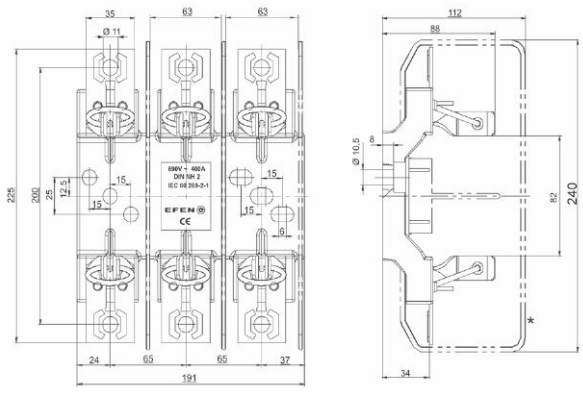
Size 00, series 336....



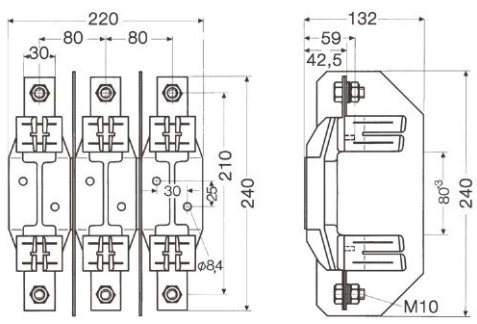
Size 1, series 336....



Size 2, series 336....



Size 3, 33037-0010



NH Fuse-Bases 690 V AC
3-pole, size 00-2, for baseplate and busbar mounting, SILAS series

For baseplate mounting

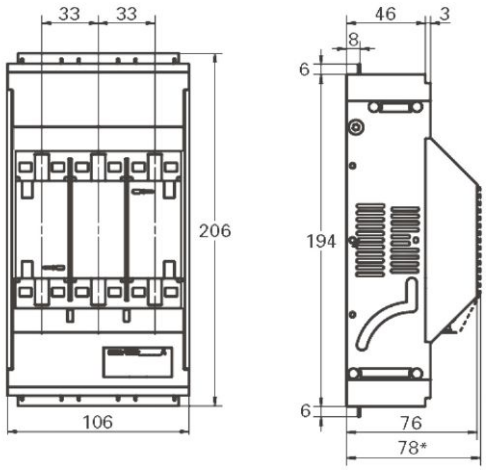
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M8)	00	160	SILAS NH-UNT 00 3P G4G4	1	0,50	**33300-0000**
Box clamp 2.5 – 95 mm²	00	160	SILAS NH-UNT 00 3P RR	1	0,60	**33301-0000**
Multiple-use terminal (bolt M10)	1	250	SILAS NH-UNT 1 3P G5G5	1	1,40	**33320-0000**
Multiple-use terminal (bolt M10)	2	400	SILAS NH-UNT 2 3P G5G5	1	2,10	**33330-0000**

For busbar mounting on 60 mm systems with hook contacting

Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M8)	00	160	SILAS NH-UNT 00 SB 3P G4	1	0,60	**33304-0000**
Box clamp 2.5 – 95 mm²	00	160	SILAS NH-UNT 00 SB 3P R	1	0,60	**33305-0000**
Multiple-use terminal (bolt M10)	1	250	SILAS NH-UNT 1 SB 60 3P G5	1	1,50	**33321-0000**
Multiple-use terminal (bolt M10)	2	400	SILAS NH-UNT 2 SB 60 3P G5	1	2,40	**33331-0000**

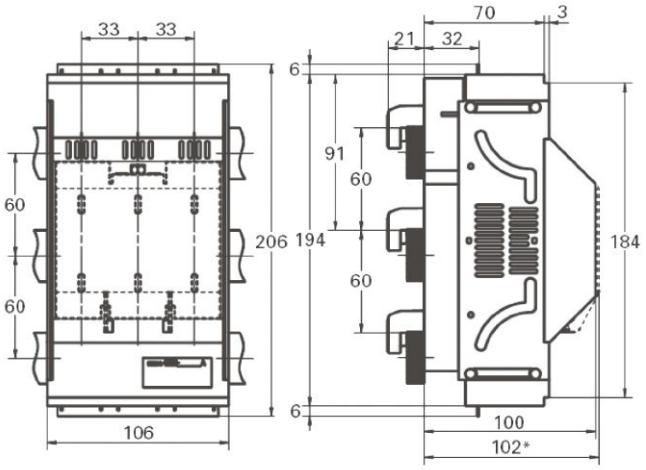
NH Fuse-Bases 690 V AC
3-pole, size 00-2, for baseplate and busbar mounting, SILAS series

Baseplate mounting, size 00



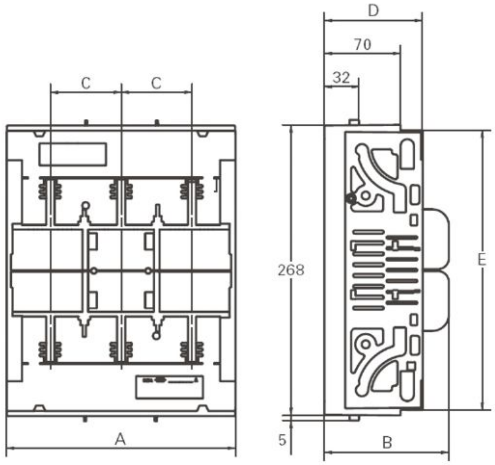
* = with fuse cover

Busbar mounting, size 00

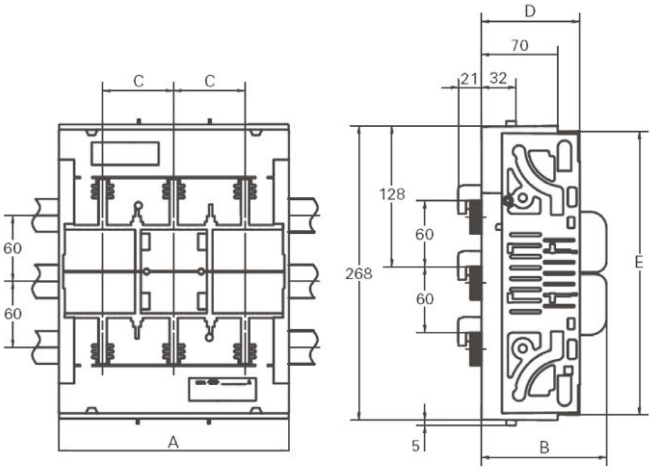


* = with fuse cover

Baseplate mounting, size 1 and 2



Busbar mounting, size 1 and 2



	A	B	C	D	E
Size 1	184	96	57	70	258
Size 2	210	114	65	90	258



NH Fuse-Switches, horizontal design

The NH Fuse-Switches, horizontal design series by EFEN offers plant designers and switchgear manufacturers a modular system with reliable and easy-to-install switching devices. EFEN horizontal-design NH fuse-switches are nationally and internationally approved and offer innovative solutions to meet customer demands.

System
All devices of sizes 000 to 3 have a uniform installation depth or field cover support and offer perfect protection against accidental contact for ultimate safety and visual appeal of the power distribution system. The wide range of accessories offers a multitude of modification and upgrade options to suit any need.

Features
The SILAS series offers innovative solutions for the application of horizontal-design NH fuse-switches in power distribution systems. Thanks to the matched sizes of the devices this product range is one of the most innovative on the market.



NH Fuse-Switches, horizontal design

NH Fuse-Switches, horizontal design, 1- up to 4-pole, Size 000 bis 4a for baseplate mounting and mounting on supporting rails — page 128

NH Fuse-Switches, horizontal design, 1-pole, Size 00 for busbar mounting — page 129

NH Fuse-Switches, horizontal design, 3-pole, Size 000 up to 3 for busbar mounting — page 130

NH Fuse-Switches, horizontal design, 1-pole for DC Applications up to 550 V — page 133

NH Fuse-Switches, horizontal design, 2- and 4-pole for DC Applications up to 1200 V — page 135

DC Fuse-Switch 10 x 38 — page 136

DC-Disconnector — page 137

Accessories — page 140

Technical Data — page 144

Solutions for measurement and power management — page 338

Easy To Install
Mounting on supporting rails



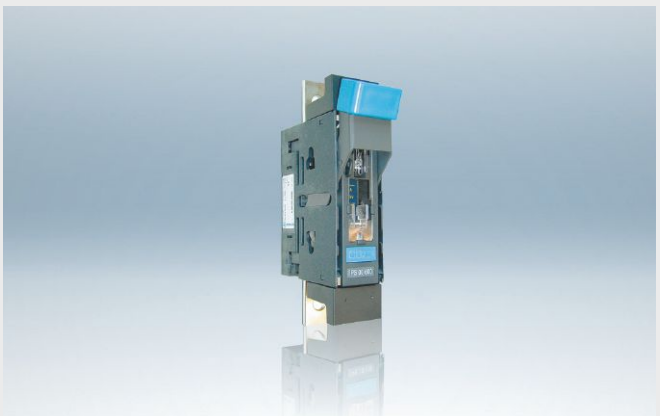
Revolvable hook
Top or bottom terminals selectable



Optimal protection against accidental contact
Uniform installation depth and field cover support



Compact design
TPS fuse-switch specifically for DC applications up to 80 V



NH Fuse-Switches, horizontal design, 690 V AC, 1-pole to 4-pole switching, for baseplate and supporting-rail mounting

NH fuse-switches, horizontal design, for NH fuse-links acc. to IEC/VDE standards

- Compact design
- Several connection options
- Modular design

▶ Technical data, page 145



33136-0010

NH Fuse-Switches, horizontal design, 690 V AC, 1-pole, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8), baseplate mounting	00	160	2	NH-LATR 00IN 1P U5U5	**33136-0010**



34076-0000

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 1.5 – 50 mm²	000	100	10	NH-LATR 000 R4R4	**34050-0000**
Box clamp 2.5 – 50 mm², narrow version - 53 mm	000	100	1	SILAS NH000 R4R4	**34040-0007**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS NH00 R5R5	**34076-0000**
Multiple-use terminal (bolt M8)	00	160	1	SILAS NH00 U5U5	**34077-0000**
Multiple-use terminal (bolt M10)	1	250	1	SILAS NH1 U2U2	**34170-0000**
Box clamp 35 – 150 mm²	1	250	1	SILAS NH1 RR	**34175-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS NH2 U2U2	**34270-0000**
Box clamp 95 – 300 mm²	2	400	1	SILAS NH2 RR	**34275-0000**
Multiple-use terminal (bolt M10)	3	630	1	SILAS NH3 U2U2	**34370-0000**
Box clamp 95 – 300 mm²	3	630	1	SILAS NH3 RR	**34375-0000**
Screw terminal M16, 1-pole switching	4a	1250	1	NH-LATR 4A EP L8L8	**34400-0000**
Screw terminal M16, 3-pole switching	4a	1250	1	NH-LATR 4A 3P L8L8	**34400-1010**
Screw terminal 2 x M12, 1-pole switching	4a	1600	1	NH-LATR 4A EP 1600A L6L6	**34400-1040**
Screw terminal 2 x M12, 3-pole switching	4a	1600	1	NH-LATR 4A 3P 1600A L6L6	**34400-1050**



34050-0070

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole, prepared for supporting-rail mounting

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 1.5 – 50 mm²	000	100	10	NH-LATR 000 HB R4R4	**34050-0070**
Multiple-use terminal (bolt M8)	00	160	10	NH-LATR 00IN HB U5U5	**34060-0070**
Box clamp 1.5 – 50 mm²	00	125	10	NH-LATR 00IN HB R2R2	**34065-0070**



34060-4000

NH Fuse-Switches, horizontal design, 690 V AC, 4-pole, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8)	00	160	1	NH-LATR 00IN 4P U5U5	**34060-4000**
Multiple-use terminal (bolt M10)	1	250	1	NH-LATR 1IN 4P U2U2	**34162-4000**
Multiple-use terminal (bolt M10)	2	400	1	NH-LATR 2IN 4P U2U2	**34262-4000**
Multiple-use terminal (bolt M10)	3	630	1	NH-LATR 3IN 4P U2U2	**34362-4000**
Screw terminal M16, 1-pole switching	4a	1250	1	NH-LATR 4A 4P EP L8L8	**34440-0000**

NH Fuse-Switches, horizontal design, 1 to 4-pole, 690 V AC and 1500 V AC, for baseplate and busbar mounting

NH fuse-switches, horizontal design, for NH fuse-links acc. to IEC/VDE standards

- Compact design
- Several connection options
- Modular design

▶ Technical data, page 167



34060-4010

NH Fuse-Switches, horizontal design, with pre-connecting solid-link on right-hand side, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8)	00	160	1	NH-Latr 00IN 4p Vr U5U5	**34060-4010**
Multiple-use terminal (bolt M10)	1	250	1	NH-Latr 1IN 4p Vr U2U2	**34162-4010**
Multiple-use terminal (bolt M10)	2	400	1	NH-LATR 2IN 4P VR U2U2	**34262-4010**
Multiple-use terminal (bolt M10)	1	630	1	NH-Latr 3IN 4p Vr U2U2	**34362-4010**



34360-1000

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole, for baseplate mounting, 630 kVA and 1000-A feed disconnector

Designation	Size	Amps	PU	Product designation	Order no.
Screw terminal M12	3	630 kVA	1	NH-LATR 3IN 630KVA G6G6	**34360-1000**
Screw terminal M12, with integrated solid-links 1000 A	3	1000	1	NH-TRENNER 3IN 1000A G6G6	**34360-0100**



34762-1020

NH Fuse-Switches, horizontal design, 1000/1500 V AC, 3-pole, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M10), 1000 V	3	500	1	NH-LATR 3 IN 1000V 500A U2U2	**34762-1020**
Multiple-use terminal (bolt M10), 1500 V, for NH fuse-links of type 3L only	3L	500	1	NH-LATR 3L IN 1500V 500A U2U2	**34762-1010**



33136-0010

NH Fuse-Switches, horizontal design, for busbar mounting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M8), busbar mounting	00	160	2	NH-LATR 00IN 1P SB U5	**33137-0010**

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole switching, for busbar mounting – 40/12 mm system

Horizontal-design NH fuse-switches for busbar mounting of the SILAS series feature a consistent installation depth and are easily and flexibly installed in accordance with customer requirements.

▶ Technical data, page 157



39000-0007

NH Fuse-Switches, horizontal design, 690 V AC for 40/12 mm busbar systems, installation depth 70 mm

Features:
- Optimal labeling
- Integrated hand protection
- Easy and quick installation on busbars
- Size 000 and 00, plug-in contacting
- Size 1 and 2, hook contacting, non-reversible, top terminal

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm², bottom terminal, narrow version – 53 mm	000	100	1	SILAS SB NH000 40 AU R4	**39000-0007**
Box clamp 2.5 – 50 mm², top terminal, narrow version – 53 mm	000		1	SILAS SB NH000 40 AO R4	**39001-0007**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 40 EB70 R5	**39020-0000**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 40 EB70 U5	**39021-0000**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 40 EB70 U2	**39060-0000**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 40 EB70 R	**39061-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 40 EB70 AO U2	**39078-0000**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 40 EB70 AO R	**39079-0000**

NH Fuse-Switches, vertical design, 690 V AC, 3-pole switching, for busbar mounting – 60 mm system

The horizontal-design NH fuse-switches of the SILAS series yield many benefits for the installation in 60 mm busbar systems.

- Reversible hook contacting for top or bottom terminal position
- Narrowest device worldwide within this system (size 000)
- Consistent field cover height for all sizes

▶ Technical data, page 158



39040-0000

NH Fuse-Switches, horizontal design, 690 V AC, for 60 mm busbar systems, 32 mm installation depth, hook contacting, for combination with D0 elements

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm², bottom terminal, narrow version – 53 mm	000	100	1	SILAS SB NH000 60 AU R4	**39010-0007**
Box clamp 2.5 – 50 mm², top terminal, narrow version – 53 mm	000	100	1	SILAS SB NH000 60 AO R4	**39011-0007**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB32 R5	**39040-0000**



39050-0000

NH Fuse-Switches, horizontal design, 690 V AC, for 60 mm busbar systems, 70 mm installation depth, hook contacting

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm², bottom terminal, narrow version – 53 mm	000	100	1	SILAS SB NH000 60 AU R4	**39010-0007**
Box clamp 2.5 – 50 mm², top terminal, narrow version – 53 mm	000	100	1	SILAS SB NH000 60 AO R4	**39011-0007**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB70 R5	**39050-0000**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 60 EB70 U5	**39052-0000**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 60 EB70 U2	**39064-0000**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 60 EB70 R	**39068-0000**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 60 EB70 R	**39074-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 60 EB70 U2	**39070-0000**
Box clamp 95 – 300 mm²	3	630	1	SILAS SB NH3 60 EB70 R	**39084-0000**
Multiple-use terminal (bolt M10)	3	630	1	SILAS SB NH3 60 EB70 U2	**39080-0000**

NH Fuse-Switches SILAS – for 60 mm busbar feed

SILAS horizontal-design fuse-switches provide additional terminals. This allows the feeding of one 60 mm busbar system plus one additional fuse outlet.

- Cost-efficient
- Space-saving
- Direct mounting without drilling
- Size 1 and 2 for 60 mm busbar systems

▶ Technical data, page 152



39086-0000

NH Fuse-Switches, horizontal design, 690 V AC, for feeding 60 mm busbar systems, 70 mm installation depth, hook contacting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M10)	1	250	1	SILAS SE NH1 60 EB70 U2U2	**39086-0000**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SE NH2 60 EB70 U2U2	**39087-0000**

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole switching, for busbar mounting – 100 mm system

Application
- Sliding fuse-test window
- Top or bottom terminals selectable
- Easy and quick installation

▶ Technical data, page 164



39212-5000

NH Fuse-Switches, horizontal design, 690 V AC, 3-pole switching, for busbar mounting

Features:
- For 100 mm busbar systems
- Hook contacting

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M10)	1	250	1	NH-LATR SB 1IN 100 U2K93	**39212-5000**
Multiple-use terminal (bolt M10)	2	400	1	NH-LATR SB 2IN 100 U2K93	**39222-5000**
Multiple-use terminal (bolt M10)	3	630	1	NH-LATR SB 3IN 100 U2K93	**39232-5000**

NH Fuse-Switches, horizontal design, 80 V DC, 1-pole switching, for baseplate and busbar mounting

▶ Technical data, page 174



33107-0250

TPS Fuse-Switches for baseplate mounting

Features:
- Very compact design
- Safe handling
- Only suitable for use with TPS fuse-links

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8	00	250	2	U NH-LATR TPS 00/250 1P G4G4	**33107-0250**
Flat terminal M12	00	600	2	U NH-LATR TPS 00/600 1P L6L6	**33107-0600**
Flat terminal M16	2	1200	1	U NH-LATR TPS 2/1200 1P L8L8	**33460-0000**
Flat terminal 2 x M12	2	1600	1	U NH-LATR TPS 2/1600 1P L6L6	**33560-0000**



33111-0250

TPS Fuse-Switches for busbar mounting

Features:
- Very compact design
- Safe handling
- Only suitable for use with TPS fuse-links

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8	00	250	2	U NH-LATR TPS 00/250 1P SB G4	**33111-0250**
Flat terminal M12	00	600	2	U NH-LATR TPS 00/600 1P SB L6	**33111-0600**
Flat terminal M16	2	1200	2	U NH-LATR TPS 2/1200 1P SB L8	**33470-0000**

NH Fuse-Switches, horizontal design, 550 V DC, 1-pole switching, for baseplate and busbar mounting

▶ Technical data, page 176



33107-0010

NH Fuse-Switches, horizontal design, 1-pole switching, for baseplate mounting

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8	00	160	2	NH-LATR 00 1P SC G4G4	**33107-0010**
Multiple-use terminal U3 with pressure plate for 2.5 – 25 mm²	00	125	2	NH-LATR 00 1P SC U3U3	**33108-0010**
Multiple-use terminal U4 with pressure plate and contact prism for 25 – 70 mm²	00	160	2	NH-LATR 00 1P SC U4U4	**33109-0010**
Flat terminal M10	1	250	2	NH-LATR 1 1P SC L5L5	**33095-0010**
Flat terminal M10	2	400	2	NH-LATR 2 1P SC L5L5	**33096-0010**
Flat terminal M12	3	630	2	NH-LATR 3 1P SC L6L6	**33097-0010**
Flat terminal M16	4a	1250	1	NH-LATR/UNT 4A 1P L8L8	**33047-0010**
Flat terminal M12	4a	1600	1	NH-LATR/UNT 4A 1P 1600A L6L6	**33047-0070**



33100-0010

NH Fuse-Switches, horizontal design, 1-pole switching, for busbar mounting

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8, Top or bottom terminals selectable	00	160	2	A NH-LATR 00 1P SB SC G4	**33111-0010**
Multiple-use terminal U3 with pressure plate for 2.5 – 50 mm², Top or bottom terminals selectable	00	125	2	NH-LATR 00 1P SB SC U3	**33112-0010**
Multiple-use terminal U4 with pressure plate and contact prism for 25 – 70 mm², top or bottom terminals selectable	00	160	2	NH-LATR 00 1P SB SC U4	**33113-0010**
Flat terminal M10, bottom terminal	1	250	2	NH-LATR 1 1PU SB SC L5	**33098-0010**
Flat terminal M10, top terminal	1	250	2	NH-LATR 1 1PO SB SC L5	**33098-0020**
Flat terminal M10, bottom terminal	2	400	2	NH-LATR 2 1PU SB SC L5	**33099-0010**
Flat terminal M10, top terminal	2	400	2	NH-LATR 2 1PO SB SC L5	**33099-0020**
Flat terminal M12, bottom terminal	3	630	2	NH-LATR 3 1PU SB SC L6	**33100-0010**
Flat terminal M12, top terminal	3	630	2	NH-LATR 3 1PO SB SC L6	**33100-0020**
Flat terminal M16, bottom terminal	4a	1250	1	NH-LATR/UNT 4A 1PU SB L8	**33048-0010**
Flat terminal M16, top terminal	4a	1250	1	NH-LATR/UNT 4A 1PO SB L8	**33048-0020**
Flat terminal M12, bottom terminal	4a	1600	1	NH-LATR/UNT 4A 1PU SB 1600A L6	**33048-0030**
Flat terminal M12, top terminal	4a	1600	1	NH-LATR/UNT 4A 1PO SB 1600A L6	**33048-0040**

NH Fuse-Switches, horizontal design, 1200 V DC, 2 and 4-pole switching, for baseplate mounting

▶ Technical data, on demand



34762-1030

NH Fuse-Switches, horizontal design, 1200 V DC, 2 poles

Designation	Amps	PU	Product designation	Order no.
DC-NH fuse-switch, size 3L, 2-pole, for baseplate mounting	400	1	DC-NH-LATR 3L IN 1200V DC 2P 400A U2U2	**34762-1030**



34762-1040

NH Fuse-Switches, horizontal design, 1200 V DC, 4 poles

Designation	Amps	PU	Product designation	Order no.
DC-NH fuse-switch, size 3L, 4-pole, for baseplate mounting	400	1	DC-NH-LATR 3L IN 1200V DC 4P 400A U2U2	**34762-1040**

Fuse disconnector, 1000 V DC, 1 and 2-pole, for baseplate mounting

Application
Protection of DC photovoltaic (PV) systems against overcurrent and short-circuits

▶ Technical data, page 170



76300-0200

DC Fuse disconnetor 10 x 38 for 1000 V

Features:
- Size: 10.3 x 38 mm
- Rated voltage: 1000 V DC
- IP class: IP2X
- Utilization category: DC-20B

Note:
Do not operate under load

Designation	PU	Product designation	Order no.
SI-TR 10X38 1P 1000VDC 32A	1	SI-TR 10X38 1P 1000VDC 32A	**76300-0100**
SI-TR 10X38 2P 1000VDC 32A	1	SI-TR 10X38 2P 1000VDC 32A	**76300-0200**



76301-0200

DC Fuse disconnector 10 x 38 for 1000 V with visual indicator

Features:
- Size: 10.3 x 38 mm
- Rated voltage: 1000 V DC
- IP class: IP2X
- Utilization category: DC-20B

Note:
Do not operate under load

Designation	PU	Product designation	Order no.
SI-TR 10X38 1P SM 1000VDC 32A	1	SI-TR 10X38 1P SM 1000VDC 32A	**76301-0100**
SI-TR 10X38 2P SM 1000VDC 32A	1	SI-TR 10X38 2P SM 1000VDC 32A	**76301-0200**

Disconnector, 1000 V DC, for baseplate and supporting-rail mounting

Application
Safe disconnection of the power supply

▶ Technical data, page 172



76305-0100

DC Disconnector 32 A – 1000 V for baseplate mounting

Designation	PU	Product designation	Order no.
LT-PV 1000VDC 32A G IP65	1	LT-PV 1000VDC 32A G IP65	**76305-0100**



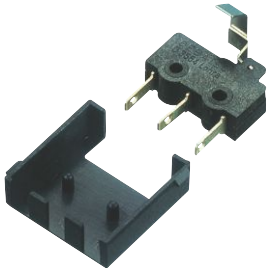
76305-0200

DC Disconnector 32 A – 1000 V DC, for supporting-rail mounting

Designation	PU	Product designation	Order no.
LT-PV 1000VDC 32A IP40	1	LT-PV 1000VDC 32A IP40	**76305-0200**

Accessories for NH Fuse-Switches, IN series

▶ Technical data, page 150, 179



36174-0010

Microswitch

Features:
- For switch position indication

Designation	Size	PU	Product designation	Order no.
Microswitch for switch position indication	000	1	MIKROSCHALTER FÜR SCHALTZU-STANDSANZEIGE	**36107-0010**
Microswitch	00	1	MIKROSCHALTER F.SCHALTZUSTANDSANZ. 00IN	**36174-0010**
Microswitch for switch position indication	1-3	1	MIKROSCHALTER TYP 1	**85138-0100**



31401-0100

Terminal cover

Features:
- Suitable for top or bottom stacking

Designation	Size	PU	Product designation	Order no.
Terminal cover	00	1	BERÜHRUNGSSCHUTZ 00IN	**31401-0100**
Terminal cover	1	1	BERÜHRUNGSSCHUTZ GR.1IN	**31438-0100**
Terminal cover	2	1	BERÜHRUNGSSCHUTZ GR.2IN	**31428-0100**
Terminal cover	3	1	BERÜHRUNGSSCHUTZ GR.3IN	**31429-0100**



36145-0010

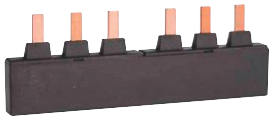
Quick-mount kit

Features:
- For 2 supporting rails with a spacing of 125 or 150 mm

Designation	Size	PU	Product designation	Order no.
Quick-mount kit for 2 supporting rails	000	1	SCHNELLBEFESTIGUNG FÜR NH-LATR 000	**36145-0010**

Anti-theft screws

Designation	Size	PU	Product designation	Order no.
Anti-theft screws, size 00 IN (kit)	00	1	STROMDIEBSTAHLSICHERUNG NH-LATR 00IN	**36916-0010**
Anti-theft screws, size 1 – 3 IN (kit)	1-3	3	1 SATZ (3ST) STROMDIEBSTAHLS. NH-LATR 1-3IN	**36930-0010**



85371-0100

Feeding devices

Features:
- Easy and safe connection method
- Quick mounting
- Less wiring work
- For series 34050-0000 only

Designation	Size	PU	Product designation	Order no.
Feeding clamp for 25 – 95 mm² (1 kit = 3 pieces)	000	1	EINSPEISEKLEMME 000	**36163-0010**
Feeding device for 2 devices	000	1	EINSPEISEKAMM 2X 000	**85371-0100**
Feeding device for 3 devices	000	1	EINSPEISEKAMM 3X 000	**85371-0200**
Feeding device for 4 devices	000	1	EINSPEISEKAMM 4X 000	**85371-0300**
Connecting piece	000	1	VERBINDUNGSSCHIENE 000	**85372-0100**
Blanking cover	000	1	ABDECKKAPPE FÜR LEERSTELLE	**85373-0100**

▶ Technical data, page 150

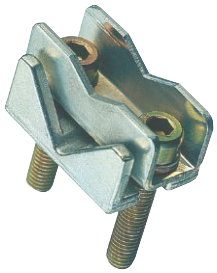


36169-0010

Pressure plates with screws, for multiple-use terminals

Features:
- 1 kit = 6 pieces

Designation	Size	PU	Product designation	Order no.
1,5 - 16 mm²	00	6	1 SATZ (6 STÜCK) DRUCKSTÜCKE 00IN	**36169-0010**
6 - 25 mm²	1	6	1 SATZ (6 STÜCK) DRUCKSTÜCKE 1IN	**36197-0010**
6 - 25 mm²	2-3	6	1 SATZ (6 STÜCK) DRUCKSTÜCKE 2/3IN	**36199-0010**



36170-0010

Pressure plates with screws and contact prisms, for multiple-use terminals

Features:
- 1 kit = 6 pieces

Designation	Size	PU	Product designation	Order no.
16 - 95 mm²	00	6	1 SATZ (6 STÜCK) KONTAKTPRISMEN 00IN	**36170-0010**
35 - 150 mm²	1	6	1 SATZ (6 STÜCK) KONTAKTPRISMEN 1IN	**36198-0010**
35 - 240 mm²	2-3	6	1 SATZ (6 STÜCK) KONTAKTPRISMEN 2/3IN	**36200-0010**



36171-0010

Triple terminal, 3 x 10 mm²

Features:
- 1 kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
für 3 Anschlüsse je Phase bis 16 mm², ohne Aderendhülse	00	3	1 SATZ DREIFACHKLEMME 3 X 16	**36171-0010**

Accessories for NH Fuse-Switches, SILAS series

▶ Technical data, page 150



36934-0010

Pressure plates for multiple-use terminal

Features:
- Simple addition for the connection of Cu conductors, se, sm and laminated copper (only size 1 to 3)
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
6 - 50 mm²	00	160	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.00 SILAS	**36934-0010**
70 - 150 mm²	1	250	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.1 SILAS	**36936-0010**
120 - 240 mm²	2	400	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.2 SILAS	**36997-0010**
150 - 300 mm²	3	630	3	1SATZ (3STÜCK) DRUCKSTÜCKE GR.3 SILAS	**36991-0010**

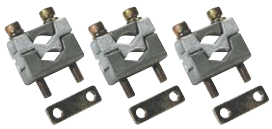


36975-0010

Pressure plates with contact prism, for multiple-use terminals

Features:
- Simple addition for the connection of Cu and Al conductors
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
6 - 70 mm²	00	160	3	1SATZ (3STÜCK) KONTAKTPRISMA GR.00 SILAS	**36975-0010**
70 - 150 mm²	1	250	3	1SATZ (3STÜCK) KONTAKTPRISMEN GR.1 SILAS	**36942-0010**
120 - 240 mm²	2	400	3	1SATZ (3STÜCK) KONTAKTPRISMEN GR.2 SILAS	**36943-0010**
150 - 300 mm²	3	630	3	1SATZ (3STÜCK) KONTAKTPRISMEN GR.3 SILAS	**36981-0010**

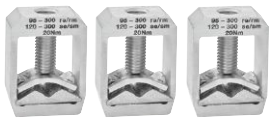


36982-0010

Pressure plates with contact prism for 2 conductors, multiple-use terminal

Features:
- Simple addition for the connection of 2 Cu and Al conductors
- 1 kit = 3 pieces

Designation	Size	Amps	PU	Product designation	Order no.
2 x 35 - 70 mm²	1	250	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.1 SILAS	**36982-0010**
2 x 70 - 120 mm²	2	400	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.2 SILAS	**36983-0010**
2 x 150 - 185 mm²	3	630	3	1SATZ (3ST) KONTAKTPR.2LEITER GR.3 SILAS	**36984-0010**



36994-0010

Box clamps

Designation	Size	Amps	PU	Product designation	Order no.
35 - 150 mm²	1	250	3	1SATZ (3STÜCK) RAHMENKLEMME GR.1 SILAS	**36992-0010**
95 - 300 mm²	2 - 3	630	3	1SATZ (3STÜCK) RAHMENKLEMME GR.2+3 SILAS	**36994-0010**



36953-0010

Retrofit kit AC 23, sizes 1 – 3, SILAS, for 690 V

Designation	Size	PU	Product designation	Order no.
Retrofit kit (1 kit = 3 pieces)	1-3	3	NACHRÜSTS. AC23 GR.1-3 SILAS (1SATZ=3ST)	**36953-0010**

Accessories for NH Fuse-Switches, SILAS series

▶ Technical data, page 150



36954-0010

Terminal cover, fuse cover

Features:
- Fits into several positions for enhanced protection against contact with live parts

Designation	Size	PU	Product designation	Order no.
Terminal cover, narrow version for busbar devices	000	1	BERÜHRUNGSSCHUTZ GR.000 SILAS/000IN	**36954-0010**
Terminal cover	00	1	BERÜHRUNGSSCHUTZ GR.00 SILAS	**36935-0010**
Terminal cover	1	1	BERÜHRUNGSSCHUTZ GR.1 SILAS	**36960-0010**
Terminal cover	2	1	BERÜHRUNGSSCHUTZ GR.2 SILAS	**36950-0010**
Terminal cover	3	1	BERÜHRUNGSSCHUTZ GR.3 SILAS	**36952-0010**



36962-0010

Support profile / universal sideframe

Features:
- Snaps into the side

Designation	Size	PU	Product designation	Order no.
Support profile	000	2	BLENDSTREIFEN GR.000 SILAS /000IN	**36962-0010**
Support profile	00	2	1SATZ (2STÜCK) BLENDSTREIFEN GR.00 SILAS	**36941-0010**
Support profile	1-3	2	1SATZ (2ST) BLENDSTREIFEN GR.1-3 SILAS	**36940-0010**

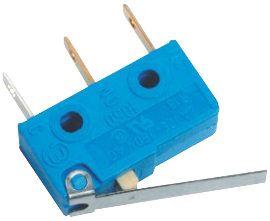


36937-0010

Quick-mount kit for supporting rails

Features:
- For 2 supporting rails with a spacing of 125 or 150 mm

Designation	Size	PU	Product designation	Order no.
Quick-mount kit, narrow version	000	1	SCHNELLBEFESTIGUNG 125/150 GR.000 SILAS	**36949-0010**
Quick-mount kit for 2 supporting rails with a spacing of 125 or 150 mm	00 - 1	1	SCHNELLBEFESTIGUNG 125/150 GR.00/1 SILAS	**36937-0010**



36959-0060

Microswitch for switch position indication

Features:
- For switch position indication

Designation	Size	PU	Product designation	Order no.
Microswitch, narrow version	000	1	MIKROSCHALTER GR.000-00 SILAS	**36959-0010**
Microswitch	1-3	1	MIKROSCHALTER GR.1-3 SILAS	**36959-0060**



36969-0010

Anti-theft screws

Features:
- For size 000 to 3

Designation	Size	PU	Product designation	Order no.
Anti-theft screws, size 000, SILAS, narrow version	000	3	STROMDIEBSTAHLSICHERUNG GR.000-3 SILAS	**36969-0010**



36988-0010

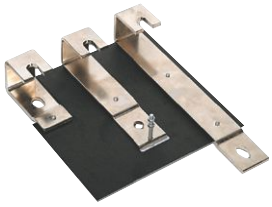
Terminal extension

Features:
- For 32 mm installation depth
- 1 kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Terminal extension	1	3	1SATZ ANSCHLUSSVERLÄNGERUNG SILAS GR.1	**36988-0010**
Terminal extension	2	3	1SATZ (3STÜCK) ANSCHLUSSVERL. GR.2 SILAS	**36989-0010**
Terminal extension	3	3	1SATZ (3STÜCK) ANSCHLUSSVERL. GR.3 SILAS	**36990-0010**

Accessories for NH Fuse-Switches, SILAS series

▶ Technical data, page 150. 179

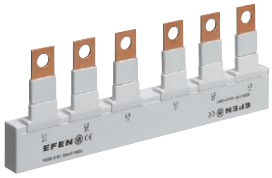


36985-0010

Busbar adapters

Features:
- For 100 mm busbar systems

Designation	Size	PU	Product designation	Order no.
Busbar adapter	1	1	SAMMELSCHIENENADAPTER GR.1 SILAS 100MM	**36985-0010**
Busbar adapter	2	1	SAMMELSCHIENENADAPTER GR.2 SILAS 100MM	**36986-0010**
Busbar adapter	3	1	SAMMELSCHIENENADAPTER GR.3 SILAS 100MM	**36987-0010**



90280-0100

Feeding devices for NH Fuse-Switches, horizontal design, SILAS series

Features:
- Easy and safe connection method
- Quick mounting
- Less wiring work
- Size 00 only suitable for devices with screw terminal M8

Designation	Size	PU	Product designation	Order no.
Feeding device for 2 devices, narrow version	000	4	EINSPEISEKAMM 2X SILAS NH000	**90276-0100**
Feeding device for 3 devices, narrow version	000	4	EINSPEISEKAMM 3X SILAS NH000	**90276-0200**
Feeding device for 4 devices, narrow version	000	4	EINSPEISEKAMM 4X SILAS NH000	**90276-0300**
Feeding device for 5 devices, narrow version	000	4	EINSPEISEKAMM 5X SILAS NH000	**90276-0400**
Feeding clamp 25 – 95 mm² rm/sm, narrow version	000	3	EINSPEISEKLEMME 95MM² SILAS NH000	**90277-0100**
Feeding device for 2 devices, terminal M8	00	4	EINSPEISEKAMM 2X SILAS/IN NH00	**90280-0100**
Feeding device for 3 devices, terminal M8	00	4	EINSPEISEKAMM 3X SILAS/IN NH00	**90280-0200**
Feeding device for 4 devices, terminal M8	00	4	EINSPEISEKAMM 4X SILAS/IN NH00	**90280-0300**
Feeding device for 5 devices, terminal M8	00	4	EINSPEISEKAMM 5X SILAS/IN NH00	**90280-0400**
FEEDING CLAMP 95MM² SILAS/IN NH00	00	4	EINSPEISEKLEMME 95MM² SILAS/IN NH00	**90287-0100**

Accessories for NH Fuse-Switches, 80 V DC and 550 V DC

▶ Technical data, on demand



36571-0010

Accessories for NH Fuse-Switches 80 V DC

Designation	Size	Amps	PU	Product designation	Order no.
Microswitch for switch position indication	000		1	MIKROSCHALTER FÜR SCHALTZU-STANDSANZEIGE	**36107-0010**
Contact hook for busbar mounting of a TPS fuse-switch Size 00 to 250 A	00		1	HAKEN NH-LATR 00 1P SB	**36571-0010**
Contact hook for busbar mounting of a TPS fuse-switch Size 00 to 600 A	00		1	HAKEN NH-LATR TPS 00/600	**36890-0010**
TPS solid-link up to 600 A	00	600	1	TRENNMESSER TPS 00/600	**36917-0010**
TPS solid-link up to 1600 A	2	1600	1	TRENNMESSER TPS 2/1600	**36918-0010**
Twinning kit for parallel operation of 2 devices/phases	00		1	VERBINDUNGSBLENDE LA-LEI 00N	**31187-0100**
Terminal cover, 140 mm	1 - 3		1	ANSCHLUSSRAUMABDECKUNG AK3	**31319-0200**
Microswitch for switch position indication	2		1	MIKROSCHALTER FÜR SCHALTZU-STANDSA. TPS 2	**36887-0010**
Connecting frame for parallel operation of 2 TPS fuse-switches	2		1	VERBINDUNGSBLENDE LA-LEI 1-3N	**45071-0100**



31122-0100

Accessories for NH Fuse-Switches 550 V DC

Designation	Size	PU	Product designation	Order no.
Identification label (screw-mount) 45 x 17 mm	00	1	BEZEICHNUNGSSCHILD SCHRAUB-BAR	**36040-0010**
Carrier for identification label	00	1	INFOTRÄGER NH-LA-LEI 00N	**31122-0100**
Terminal cover	1 - 2 - 3	1	ANSCHLUSSRAUMABDECKUNG GR.1-3	**31157-0100**
Connecting kit for parallel operation of two separate devices	1 - 2 - 3	3	VERBINDUNGSSATZ FÜR ZWILLINGS-LEISTE	**81251-0100**
Twinning kit for parallel operation of 2 devices/phases	00	1	VERBINDUNGSBLENDE LA-LEI 00N	**31187-0100**
Microswitch for switch position indication	000	1	MIKROSCHALTER FÜR SCHALTZU-STANDSANZEIGE	**36107-0010**
Microswitch for switch position indication, including screws for installation for size 1 – 3	1 - 3	1	MIKROSCHALTER NTSL KOMPL. MIT SCHRAUBEN	**83398-0100**
Microswitch for switch position indication, size 4a, installation on right-hand side	4a	1	MIKROSCHALTER GR.4A RECHTS	**36247-0010**
Microswitch for switch position indication, size 4a, installation on left-hand side	4a	1	MIKROSCHALTER GR.4A LINKS	**36248-0010**

NH Fuse-Switches, horizontal design

Technical data acc. to VDE 0660 T107/EN/IEC 60947-3 for IN series

Suitable for NH fuse-links according to VDE 0660 T 2	Size	000	000/00	1	2	3	4a
Rated operating current I_e	A	100	160	250	400	630	1250 / 1600
Conventional free-air thermic current I_{th}	A	160	160	250	400	630	1250 / 1600
Rated operating voltage U_e	V	690					
Rated isolation voltage U_i	V	690	800				
Rated impulse withstand-current U_{imp}	kV	6	8				
Conditional rated short-circuit current (when protected by NH fuse-links)	kA/400V	80	100	100	100 2)	100	50
Conditional rated short-circuit current (when protected by NH fuse-links)	kA/690V	50					
Utilization category acc. to VDE 0660 T107/EN/IEC 60947-3	Ue = 400V AC Ue = 690V AC Ue = 440V DC1)	AC-22B AC-21B DC-21B					
Mechanical service life	Cycles	2000	1600	1600	1000	1000	600
Permissible ambient temperature	-25 °C to +55 °C						
Degree of protection acc. to DIN/EN 60529/VDE 0470 T1	IP 3X						
Maximum permissible power dissipation of the NH fuse-link	P_N max.	9	12	23	34	48	115 / 140
Weight without fuse-links	kg	0,425	0,5	2,0	3,25	5,3	14,0

1) when equipped with L_1 and L_3 with 2 poles; 1-pole U_e = 220 V DC
2) with pilot tool

Technical data acc. to VDE 0660 T107/EN/IEC 60947-3 for SILAS series

Suitable for NH fuse-links according to VDE 0636 T2	Size	000	00	1	2	3
Rated operating current I_e	A	100	160	250	400	630
Conventional free-air thermic current I_{th}	A	100	160	250	400	630
Rated operating voltage U_e	V	690				
Rated isolation voltage U_i	V	1000				
Rated impulse withstand-current U_{imp}	kV	6	8			
Conditional rated short-circuit current (when protected by NH fuse-links)	kA	80	80	80	50	80
Utilization category acc. to VDE 0660 T107/EN/IEC 60947-3	U_e = 400V AC U_e = 690V AC U_e = 220V DC U_e = 440V DC	AC-23B AC-21B Please inquire DC-22B	AC-23B AC-21B DC-22B Please inquire	AC-23B AC-22B DC-21B DC-21B	AC-23B AC-22B DC-21B DC-21B	AC-23B AC-22B DC-21B DC-21B
Mechanical service life	Cycles	2000	1600	1600	1000	1000
Permissible ambient temperature	-25 °C to +55 °C					
Degree of protection DIN/EN 60529/VDE 0470 T1	IP 3X					
Maximum permissible power dissipation of the NH fuse-link	W	7,5	12	23	34	48
Weight without fuse-links	kg	0,54	0,84	2,2	3,6	4,1

NH Fuse-Switches, horizontal design

Product range overview

	Size 000	Size 00	Size 1	Size 2	Size 3
Baseplate mounting	•	•	•	•	•
40/12 mm busbar spacing	•	•	•	•	
60 mm busbar system	•	•	•	•	•
100 mm busbar system			•	•	•
Supporting-rail mounting	•	•	•		
Support profile	•	•	•	•	•
Terminal cover	•	•	•	•	•
Pressure plate for Cu conductor		•	•	•	•
Contact prism for Cu/Al conductor		•	•	•	•
Twin terminal with contact prism for Cu/Al conductors			•	•	•
Box clamp	•	•	•	•	•
Switch position indication	•	•	•	•	•
Electronic fuse-monitoring	•	•	•	•	•
Mechanical fuse-monitoring with circuit breaker		•	•	•	•
Anti-theft protection	•	•	•	•	•
Horizontal installation	•	•	•	•	•

NH Fuse-Switches, horizontal design

Conductor connections and sizes for IN series

Type of terminal	Conductor type		NH 000	NH 00	NH 1	NH 2	NH 3	4a	Size
Multiple-use terminal (screw terminal)	-	-	-	M8	M10	M10	M10	M12/M16	
Pressure plates with bolts	CU	re	-	1,5-16	1,5-16	-	-	-	mm²
		rm/sm	-	2-25	6-50	6-70	6-70	-	
Pressure plates with bolts and contact prisms	CU AL	re/rm/ se/sm	-	2,5-70	70-150	70-240	70-240	-	mm²
Box clamp	CU	rm/re	1,5-50	-	-	-	-	-	mm²
		se/sm	-	-	-	-	-	-	
Triple terminal	CU	re	-	1,5-10	-	-	-	-	mm²
		rm	-	10-16	-	-	-	-	
Flat conductor (width x height) ≤	-	-	-	10x6	16x15	21x15	21x15	-	mm

Conductor connections and sizes for SILAS series

Type of terminal	Conductor type		NH 000	NH 00	NH 1	NH 2	NH 3	Size
Multiple-use terminal (screw terminal)			-	M8	M10	M10	M10	
Pressure plates with bolts	CU	re	-	6-50	70-150	-	-	mm²
		rm/sm	-	6-25	6- 50	6-70	6-70	
Pressure plates with bolts and contact prisms	CU AL	re/rm/ se/sm	-	6-70	70-150	120-240	150-300	mm²
Pressure plates with bolts and contact prisms for two conductors	CU AL	rm/se/ sm	-	-	2x35-70	2x70-120	2x150	mm²
Box clamp	CU	rm/re	2,5-50	2,5-95	35-150	95-300	95-300	mm²
		se/sm	-	-	50-150	120-300	120-300	
	AL	rm/re	-	-	35-150	95-300	95-300	
		se/sm	-	-	50-150	120-300	120-300	
Triple terminal	CU	re	-	1,5-10	-	-	-	mm²
		rm	-	10-16	-	-	-	
Flat conductor (width x height) ≤					1 x20	8 x32	8 x32	
					15x20	20x32	20x32	

NH Fuse-Switches, horizontal design

Tightening torques for terminals and busbar mounting for IN series

Size	NH 000	NH 00	NH 1	NH 2	NH 3	4a
Type of terminal	Tightening torques (Nm)					
Multiple-use terminal (screw terminal)	-	14	32	32	32	32 / 56
Pressure plates with bolts	-	4	8	14	14	-
Pressure plates with bolts and contact prisms	-	4	8	14	14	-
Busbar contacting	-	6	10	10	14	-
Box clamp	3	3	-	-	-	-

Tightening torques for terminals and busbar mounting for SILAS series

Size	NH 000	NH 00	NH 1	NH 2	NH 3
Type of terminal	Tightening torques (Nm)				
Multiple-use terminal (screw terminal)	-	12	20	20	20
Pressure plates with bolts	-	3	6	8	8
Pressure plates with bolts and contact prisms	-	3	6	8	8
Busbar contacting	4,5	6	6	8	8
Box clamp	4,5	5	12	20	20

Connection with two cable lugs

Size	16 mm²	25 mm²	35 mm²	50 mm²	70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²
00	2 x	2 x	2 x	2 x		-	-	-	-	-	-
1	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	-	-
2	-	-	-	-	-	-	-	2 x	2 x	2 x	2 x
3	-	-	-	-	-	-	-	2 x	2 x	2 x	2 x

Cable lugs according to DIN 46235 were used for verification.
Other commercially available cable lugs may have different dimensions but are usually compatible.

NH Fuse-Switches, horizontal design

Baseplate mounting

Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Box clamp 1.5 – 50 mm²	000	160	NH-Latr 000 R4R4	10	0,422	**34050-0000**
Box clamp 2.5 – 50 mm², narrow version – 53 mm	000	100	SILAS NH000 R4R4	1	0,568	**34040-0007**

Supporting-rail mounting

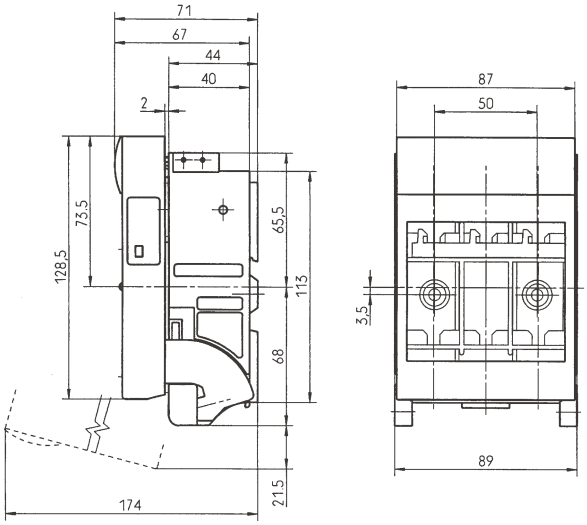
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Box clamp 1.5 – 50 mm²	000	160	NH-Latr 000 HB R4R4	10	0,42	**34050-0070**

Supporting-rail mounting

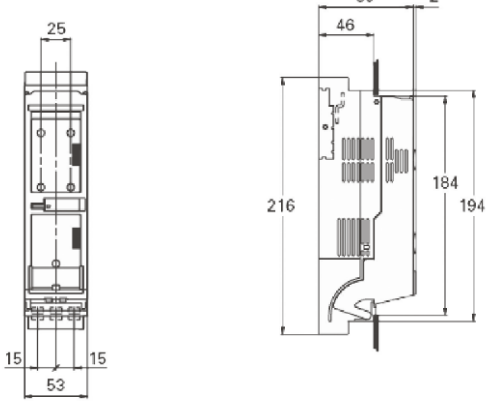
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M8)	00	160	NH-Latr 00IN HB U5U5	10	0,60	**34060-0070**
Box clamp 1.5 – 50 mm²	00	125	NH-Latr 00IN HB R2R2	10	0,55	**34065-0070**

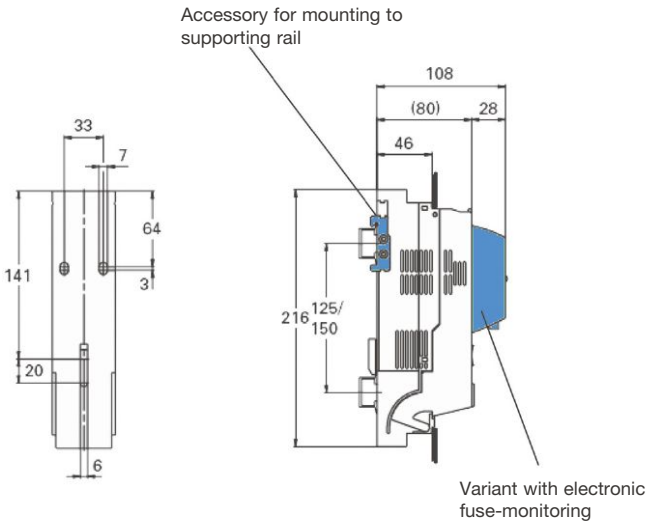
NH Fuse-Switches, horizontal design

Size 000

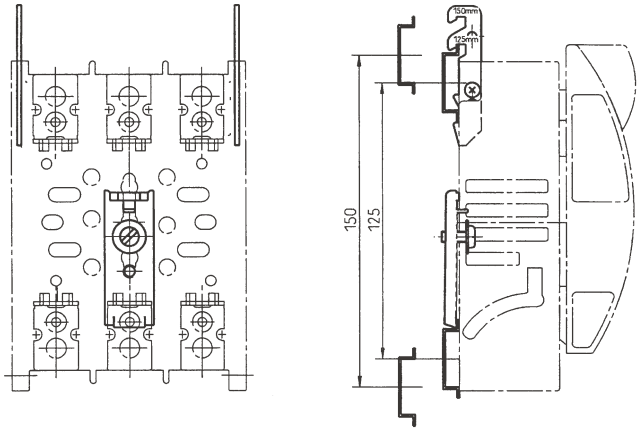


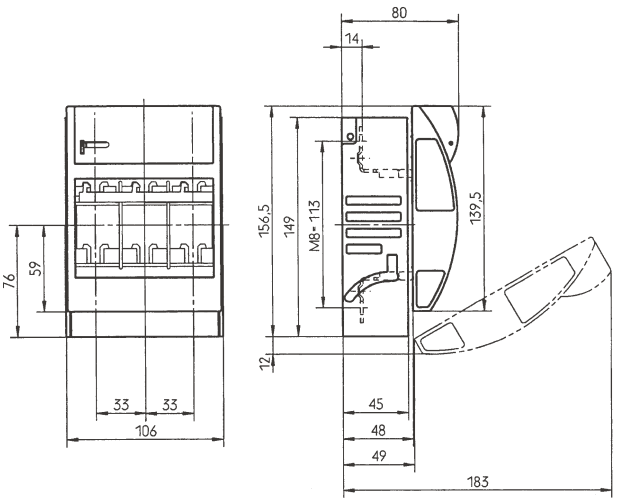
Size 000, narrow version



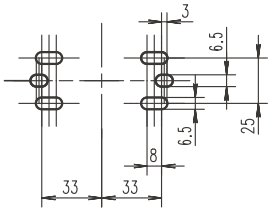


Size 00



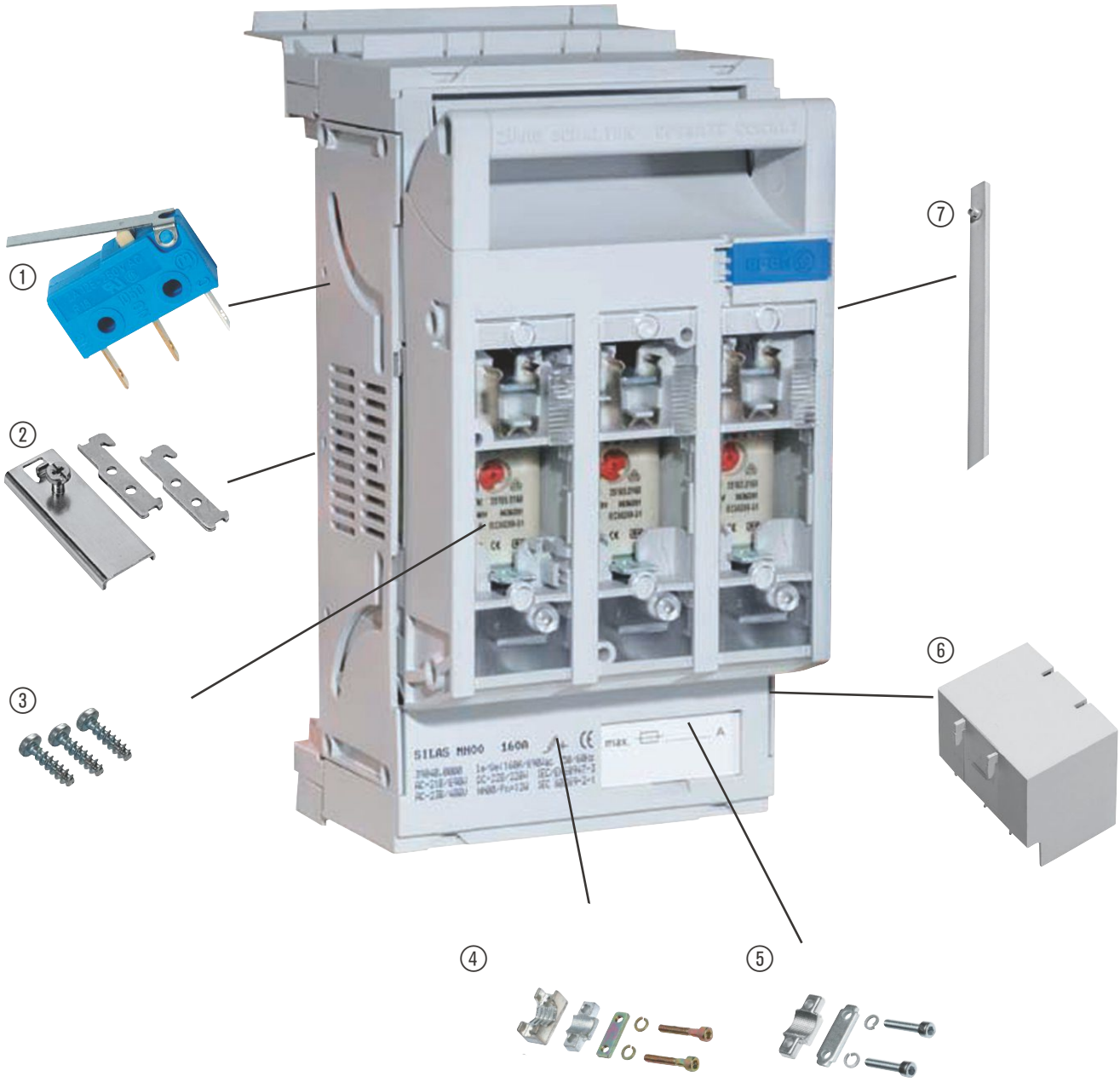


Drilling pattern:



NH Fuse-Switches, horizontal design, SILAS series

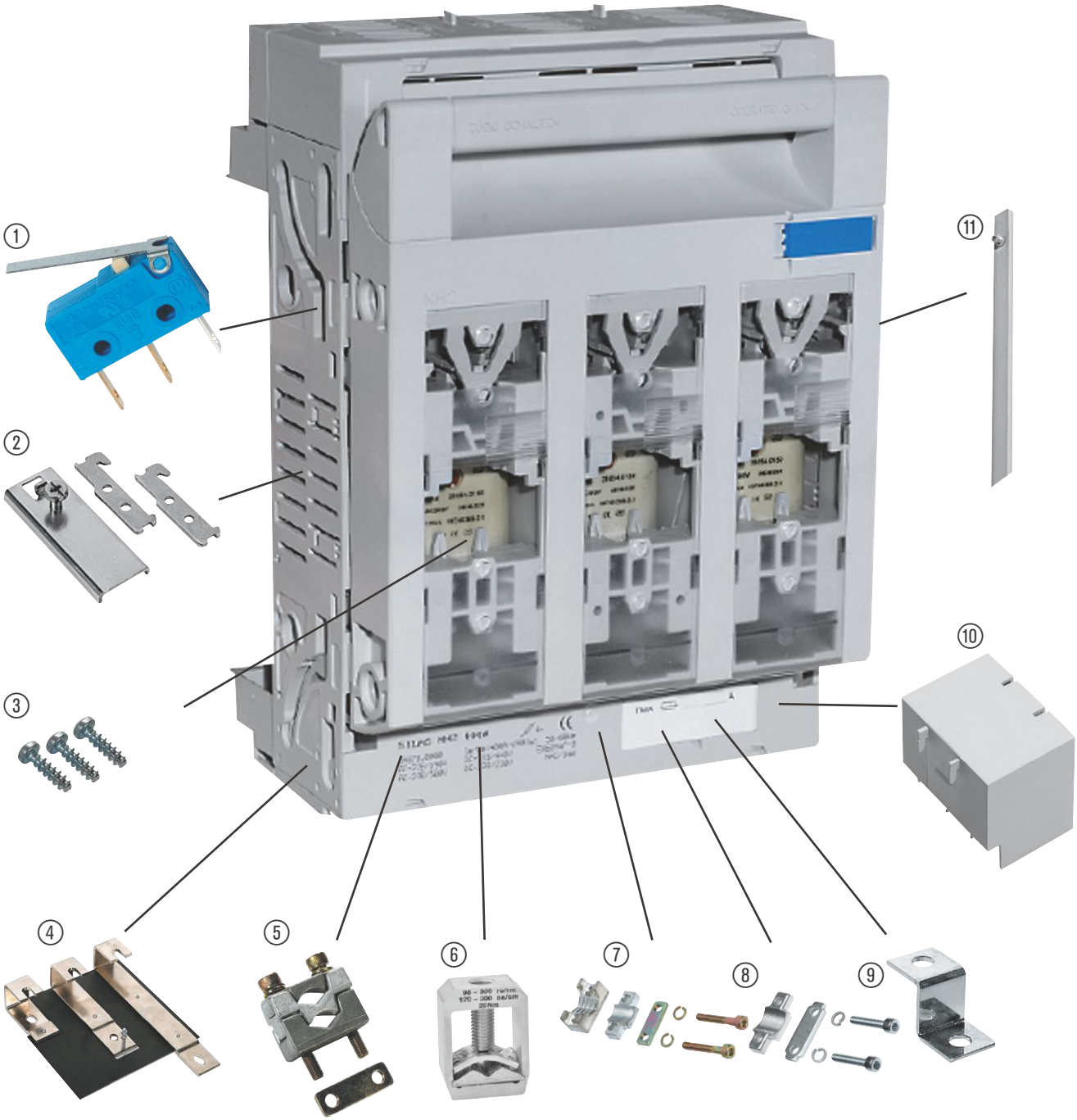
NH Fuse-Switches, horizontal design, size 000-00
Accessories



①	36959-0010	Microswitch, size 00 and size 000
②	36937-0010	Quick-mount kit, size 00
③	36969-0010	Anti-theft screws
④	36975-0010	Pressure plate with contact prism 6 – 70 mm², size 00
⑤	36934-0010	Pressure plate 6 – 70 mm², size 00
⑥	36954-0010	Terminal cover, size 000
⑦	36962-0010	Support profile, size 000

NH Fuse-Switches, horizontal design, SILAS series

NH Fuse-Switches, horizontal design, size 1 – 3
Accessories



①	36959-0060	Microswitch, size 1-3
②	36937-0010	Quick-mount kit, size 1
③	36969-0010	Anti-theft screws
④	36985-0010	Busbar adapter, size 1
⑤	36982-0010	Pressure plate with contact prism, 2 x 35 – 70 mm², size 1
⑥	36992-0010	Box clamp 35 – 150 mm², size 1
⑦	36942-0010	Pressure plate with contact prism 70 – 150 mm², size 1
⑧	36936-0010	Pressure plate 70 – 150 mm², size 1
⑨	36988-0010	Terminal extension, size 1
⑩	36960-0010	Terminal cover, size 1
⑪	36940-0010	Support profile, size 1 – 3

NH Fuse-Switches, horizontal design, SILAS series

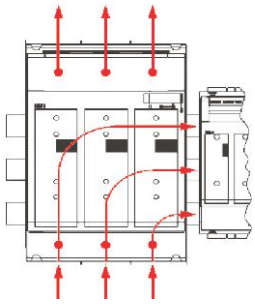
SILAS horizontal-design fuse-switches provide additional terminals.
This allows the feeding of one 60 mm busbar system and additional fuse outlets.

- Cost-efficient
- Space-saving
- Direct mounting without drilling
- Size 1 and 2 for 60 mm busbar systems

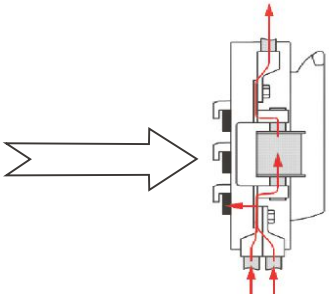
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
Screw terminal M10	1	250	1	2,3	SILAS SE NH1 60 EB70 U2U2	**39086-0000**
Screw terminal M10	2	400	1	3,6	SILAS SE NH2 60 EB70 U2U2	**39087-0000**

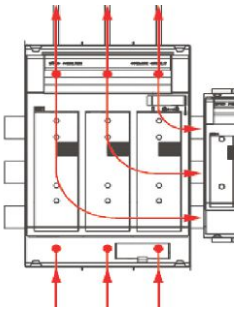
Busbar feed

Additional fuse outlet

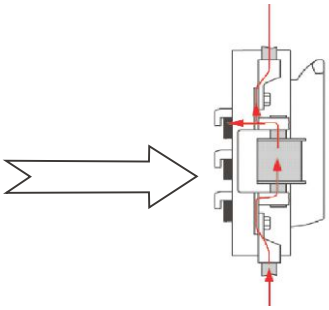


Feed without NH fuse-links
250 A SILAS 1
400 A SILAS 2
Feed
max. 500 A SILAS 1
max. 800 A SILAS 2





Feed via NH fuse-links
125 A SILAS 1
200 A SILAS 2
Feed
max. 250 A SILAS 1
max. 400 A SILAS 2



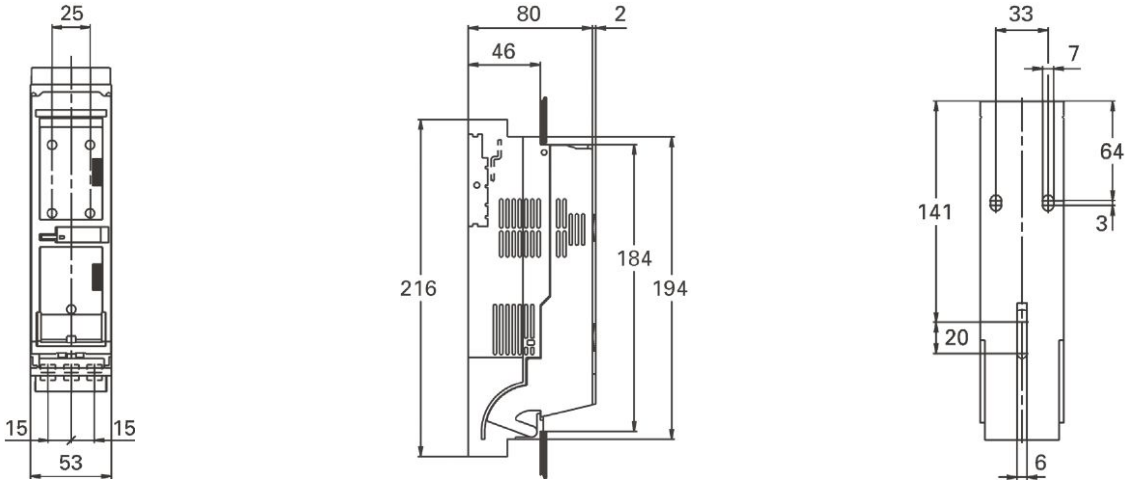
NH Fuse-Switches, horizontal design

for baseplate mounting

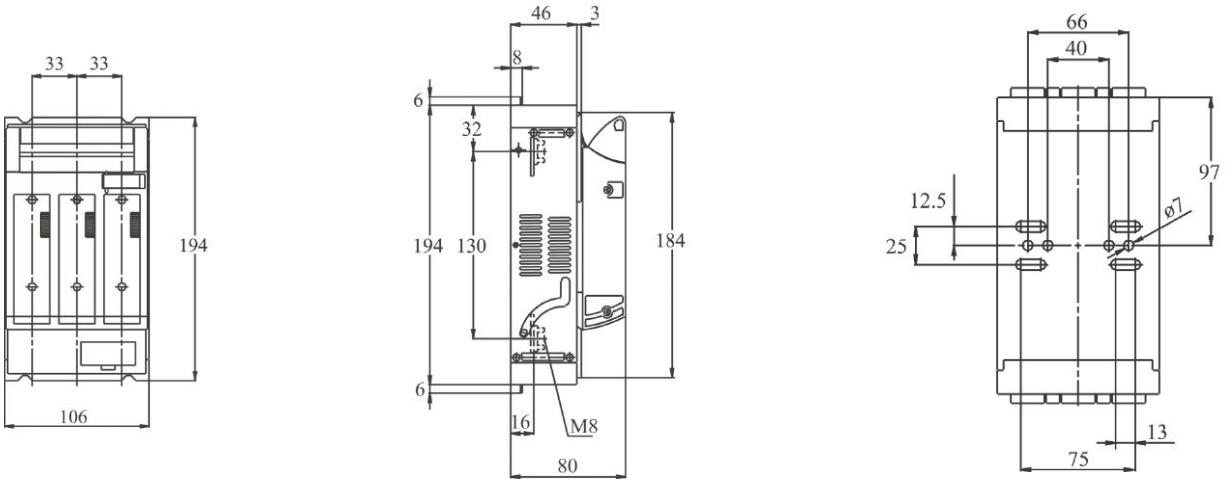
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm²	000	100 A	1	0,4	SILAS NH000 R4R4	**34040-0007**
Multiple-use terminal (bolt M8)	00	160 A	1	0,6	SILAS NH00 U5U5	**34077-0000**
With box clamp rm/re 95 mm²	00	160 A	1	0,6	SILAS NH00 R5R5	**34076-0000**
Multiple-use terminal (bolt M10)	1	250 A	1	2,0	SILAS NH1 U2U2	**34170-0000**
With box clamp rm/re 150 mm²	1	250 A	1	2,2	SILAS NH1 RR	**34175-0000**
Multiple-use terminal (bolt M10)	2	400 A	1	3,0	SILAS NH2 U2U2	**34270-0000**
With box clamp rm/re 300 mm²	2	400 A	1	3,6	SILAS NH2 RR	**34275-0000**
Multiple-use terminal (bolt M10)	3	630 A	1	3,5	SILAS NH3 U2U2	**34370-0000**
With box clamp rm/re 300 mm²	3	630 A	1	4,0	SILAS NH3 RR	**34375-0000**

NH Fuse-Switches, horizontal design

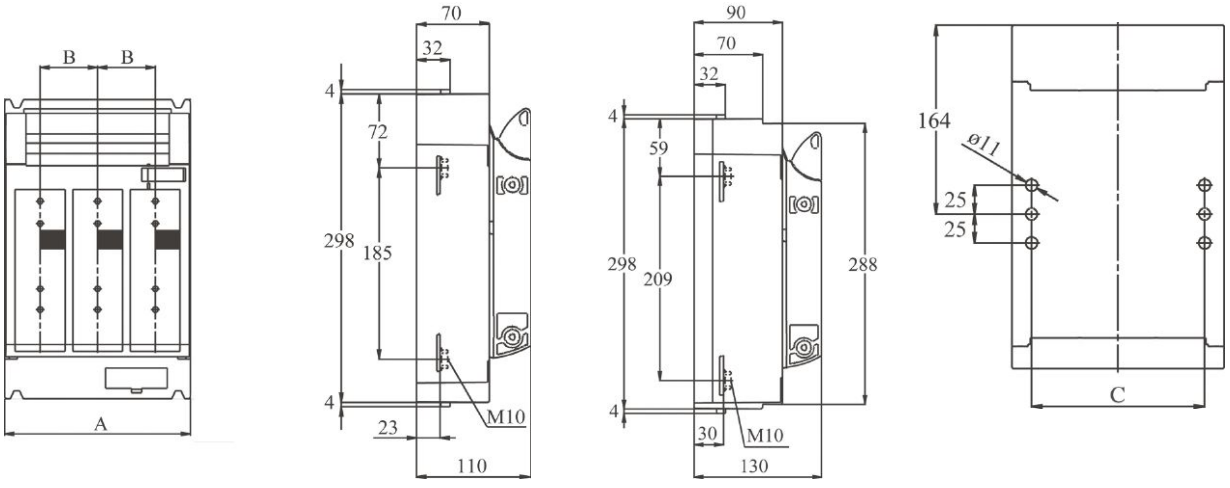
Dimensions drawings
Size 000



Dimensions drawings
Size 00



Dimensions drawings
Size 1 – 3



Size	A	B	C
1	184	57	150
2	210	65	166
3	250	80	195

Size 1

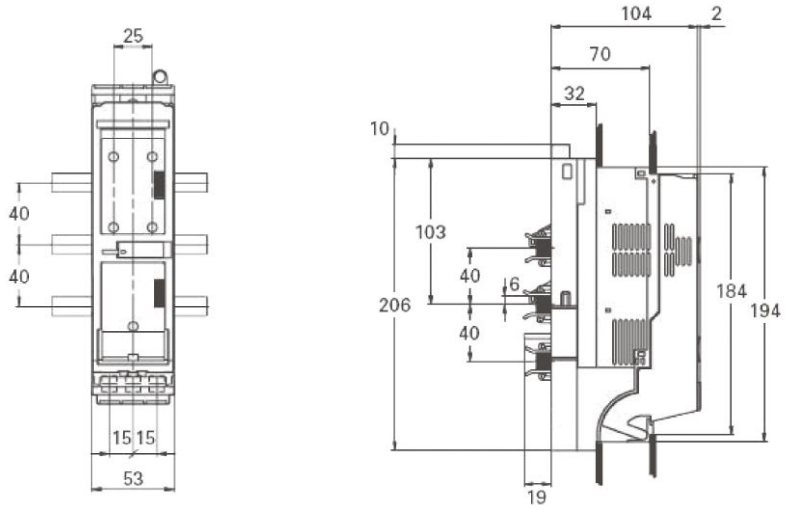
Size 2/3

NH Fuse-Switches, horizontal design

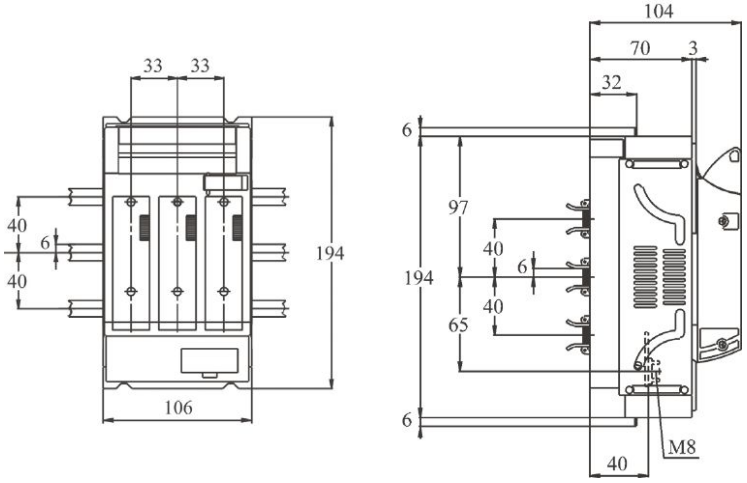
For 40/12 mm busbar system according to DIN 43870

Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm² Bottom terminals	000	100 A	1	0,5	SILAS SB NH000 40 AU R4	**39000-0007**
With box clamp rm/re 50 mm² Top terminals	000	100 A	1	0,5	SILAS SB NH000 40 AO R4	**39001-0007**
Multiple-use terminal (bolt M8)	00	160 A	1	0,7	SILAS SB NH00 40 EB70 U5	**39021-0000**
With box clamp rm/re 95 mm²	00	160 A	1	0,7	SILAS SB NH00 40 EB70 R5	**39020-0000**
Multiple-use terminal (bolt M10)	1	250 A	1	2,1	SILAS SB NH1 40 EB70 U2	**39060-0000**
With box clamp rm/re 150 mm²	1	250 A	1	2,3	SILAS SB NH1 40 EB70 R	**39061-0000**
Multiple-use terminal (bolt M10)	2	400 A	1	3,3	SILAS SB NH2 40 EB70 AO U2	**39078-0000**
With box clamp rm/re 300 mm²	2	400 A	1	3,6	SILAS SB NH2 40 EB70 AO R	**39079-0000**

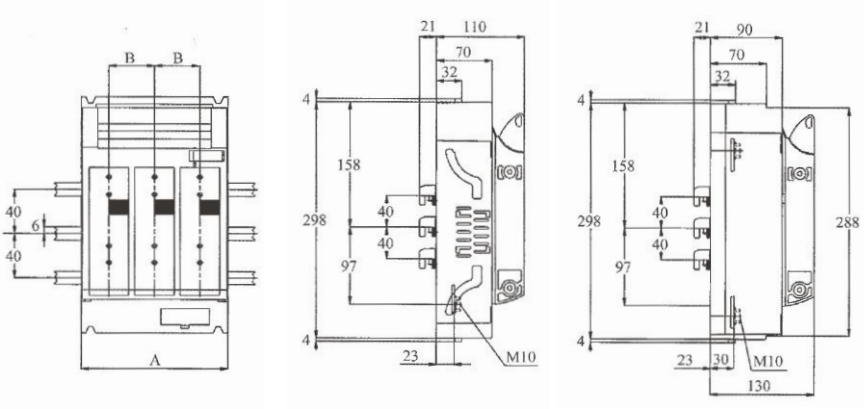
Busbar mounting
Size 000



Busbar mounting
Size 00



Busbar mounting
Size 1-3



Size	A	B
1	184	57
2	210	65
3	250	80

Size 1

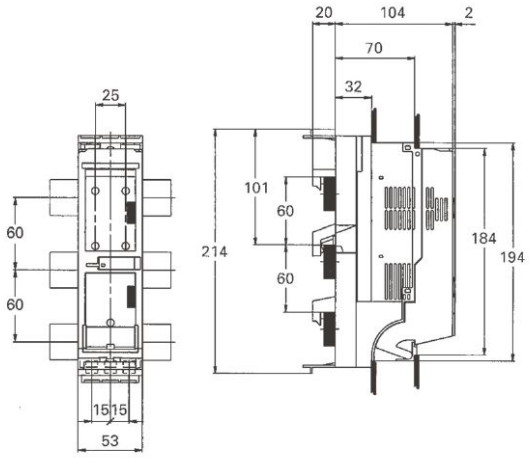
Size 2/3

NH Fuse-Switches, horizontal design

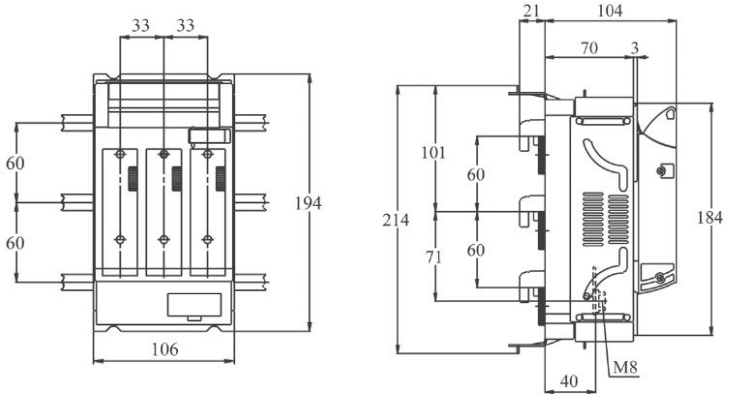
For 60 mm busbar system

Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm² Bottom terminals	000	100 A	1	0,5	SILAS SB NH000 60 AU R4	**39010-0007**
With box clamp rm/re 50 mm² Top terminals	000	100 A	1	0,5	SILAS SB NH000 60 AO R4	**39011-0007**
Multiple-use terminal (bolt M8)	00	160 A	1	0,8	SILAS SB NH00 60 EB70 U5	**39052-0000**
With box clamp rm/re 95 mm² 32 mm installation depth	00	160 A	1	0,8	SILAS SB NH00 60 EB32 R5	**39040-0000**
With box clamp rm/re 95 mm² 70 mm installation depth	00	160 A	1	0,8	SILAS SB NH00 60 EB70 R5	**39050-0000**
Multiple-use terminal (bolt M10)	1	250 A	1	2,2	SILAS SB NH1 60 EB70 U2	**39064-0000**
With box clamp rm/re 150 mm²	1	250 A	1	2,2	SILAS SB NH1 60 EB70 R	**39068-0000**
Multiple-use terminal (bolt M10)	2	400 A	1	3,2	SILAS SB NH2 60 EB70 U2	**39070-0000**
With box clamp rm/re 300 mm²	2	400 A	1	3,5	SILAS SB NH2 60 EB70 R	**39074-0000**
Multiple-use terminal (bolt M10)	3	630 A	1	3,9	SILAS SB NH3 60 EB70 U2	**39080-0000**
With box clamp rm/re 300 mm²	3	630 A	1	4,1	SILAS SB NH3 60 EB70 R	**39084-0000**

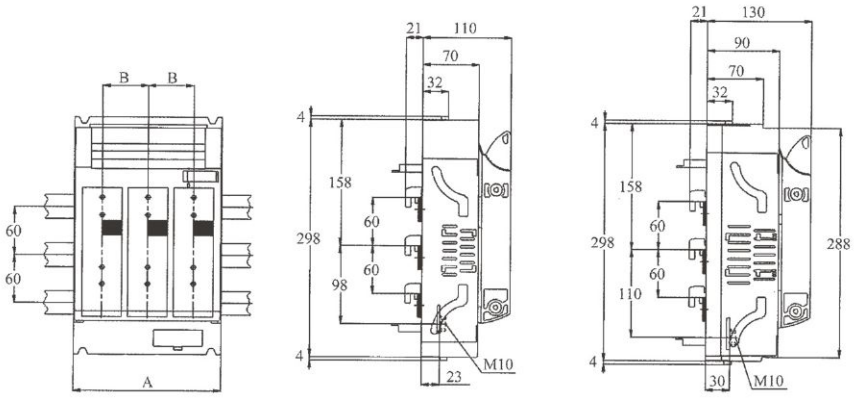
Busbar mounting
Size 000



Busbar mounting
Size 00



Busbar mounting
Size 1 – 3



Size	A	B
1	184	57
2	210	65
3	250	80

Size 1

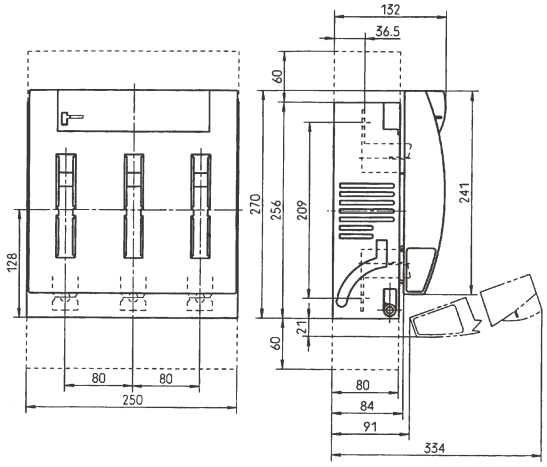
Size 2/3

NH Fuse-Switches, horizontal design

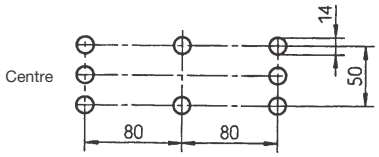
Baseplate mounting

Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Screw terminal M12	3	630kVA	NH-Latr 3IN 630kVA G6G6	1	3,522	**34360-1000**

Dimensions drawings, size 3, 630 A



Multiple-use terminal U2



NH Fuse-Switches, horizontal design

Baseplate mounting:

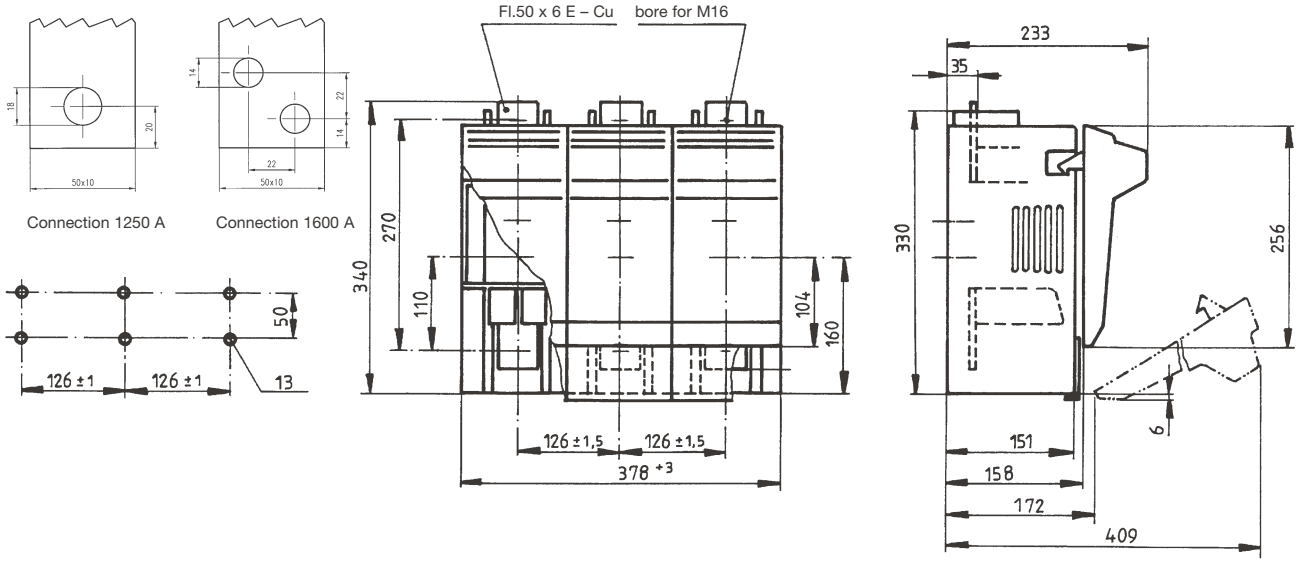
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Screw terminal M16, top and bottom						
1-pole switching	4a	1250	NH-Latr 4A EP L8L8	1	12,65	**34400-0000**
3-pole switching	4a	1250	NH-Latr 4A 3P L8L8	1	12,80	**34400-1010**
Screw terminal 2 x M12, top and bottom						
1-pole switching	4a	1600	NH-Latr 4A EP 1600A L6L6	1	14,00	**34400-1040**
3-pole switching	4a	1600	NH-Latr 4A 3P 1600A L6L6	1	14,15	**34400-1050**

Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M10)	3	500	NH-Latr 3 IN 1000V 500A U2U2	1	5,30	**34762-1020**

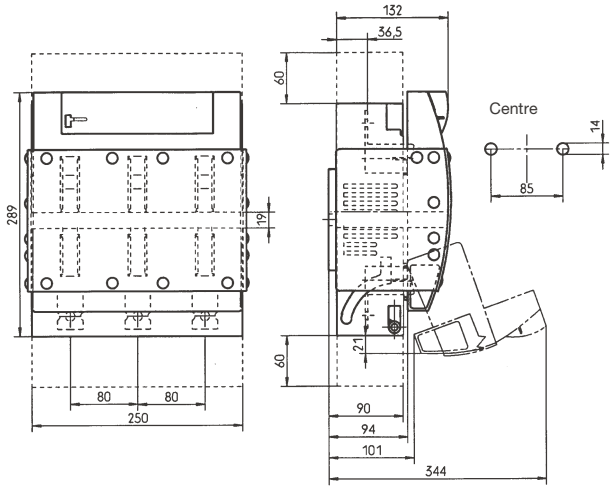
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M10)	3L	500	NH-Latr 3L IN 1500V 500A U2U2	1	5,30	**34762-1010**

NH Fuse-Switches, horizontal design

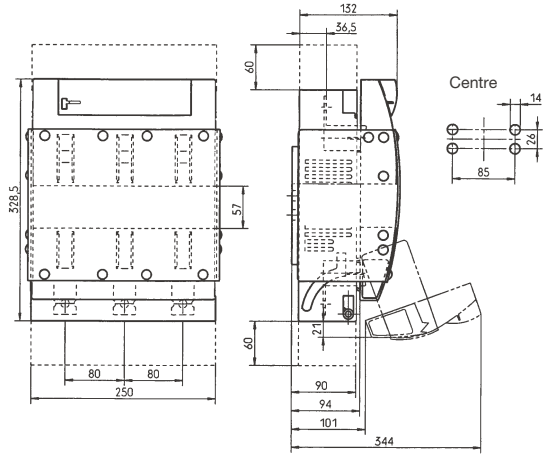
Dimensions drawings, size 4a, 1250/1600 A, dimensions drawings 1250 A
Connection with 60 x 10 mm bars optional



Dimensions drawings, size 3, 500 A/1000 V



Size 3L, 500 A/1500 V



NH Fuse-Switches, vertical design

Busbar system, 100 mm center-to-center spacing, hook-contacting

Top terminals

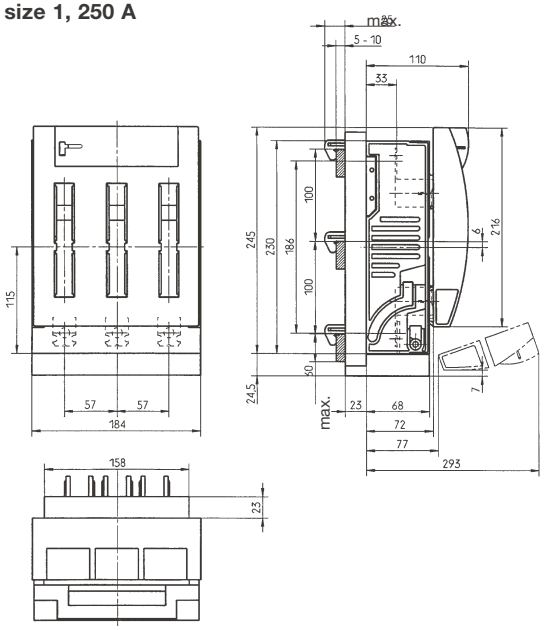
Description	Size	Amps I_{th}	Designation	Terminal pos.	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M10)	1	250	NH-Latr SB 1IN 100 U2K93	Top	1	2,50	**39212-5000**
Multiple-use terminal (bolt M10)	2	400	NH-Latr SB 2IN 100 U2K93	Top	1	3,25	**39222-5000**
Multiple-use terminal (bolt M10)	3	630	NH-Latr SB 3IN 100 U2K93	Top	1	5,30	**39232-5000**

Bottom terminals

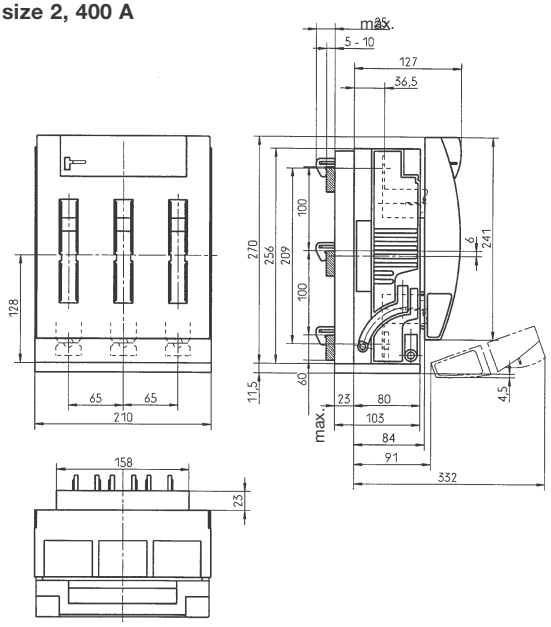
Description	Size	Amps I_{th}	Designation	Terminal pos.	PU	Weight in kg	Order no.
Multiple-use terminal (bolt M10)	1	250	NH-Latr SB 1IN 100 K93U2	Bottom	1	2,50	**39212-7000**
Multiple-use terminal (bolt M10)	2	400	NH-Latr SB 2IN 100 K93U2	Bottom	1	3,25	**39222-7000**
Multiple-use terminal (bolt M10)	3	630	NH-Latr SB 3IN 100 K93U2	Bottom	1	5,30	**39232-7000**

NH Fuse-Switches, vertical design

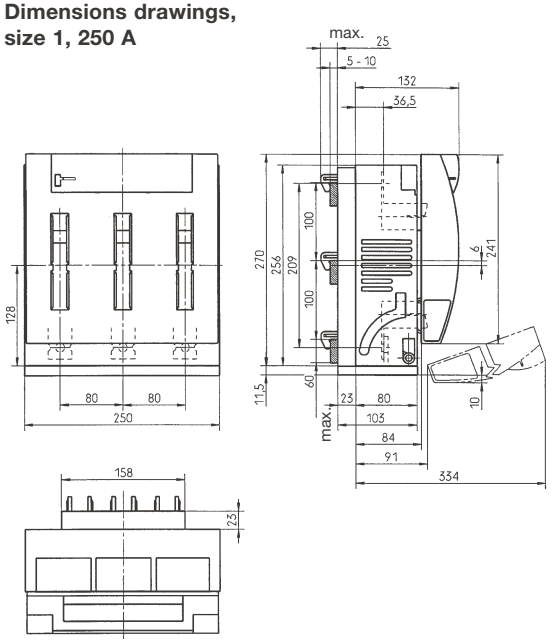
Dimensions drawings, size 1, 250 A



Dimensions drawings, size 2, 400 A



Dimensions drawings, size 1, 250 A



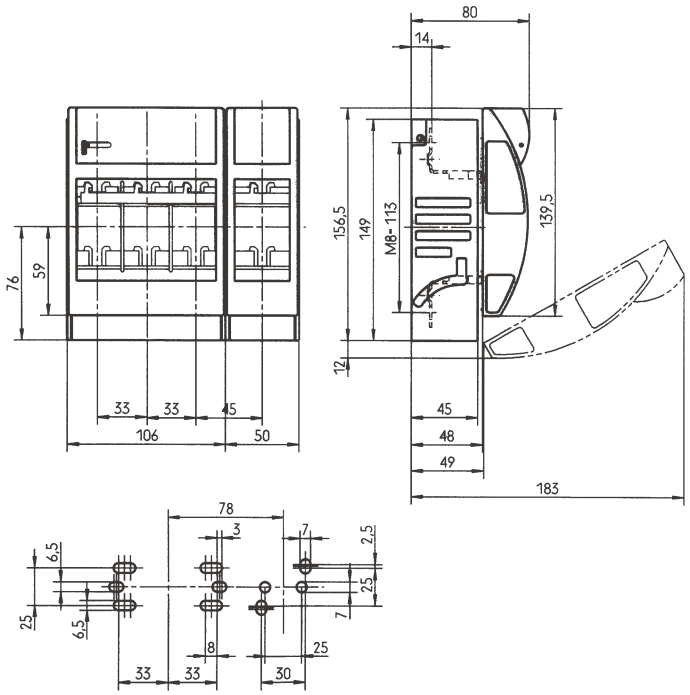
NH Fuse-Switches, horizontal design

NH Fuse-Switch, horizontal design, 4-pole, for baseplate mounting

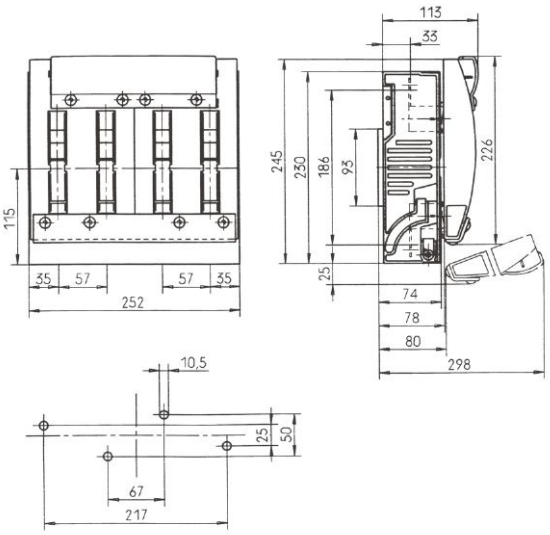
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
Screw terminal M8	00	160	NH-Latr 00IN 4P U5U5	1	0,75	**34060-4000**
Screw terminal M10	1	250	NH-Latr 1IN 4P U2U2	1	3,70	**34162-4000**
Screw terminal M10	2	400	NH-Latr 2IN 4P U2U2	1	7,70	**34262-4000**
Screw terminal M10	3	630	NH-Latr 3IN 4P U2U2	1	8,60	**34362-4000**
Screw terminal M16 **1-pole switching**	4a	1250	NH-Latr 4A 4P EP L8L8	1	14,00	**34440-0000**

NH Fuse-Switches, horizontal design

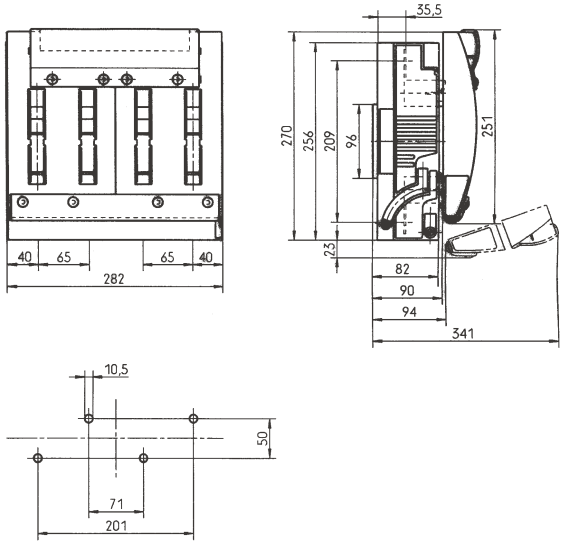
Dimensions drawings, size 00, 160 A



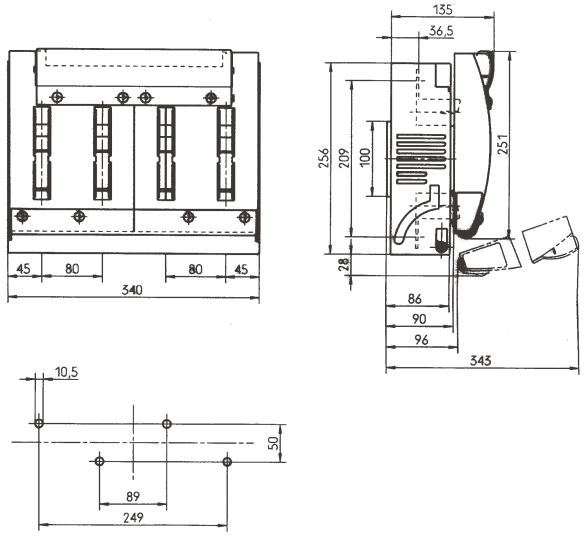
Dimensions drawings, size 1, 250 A



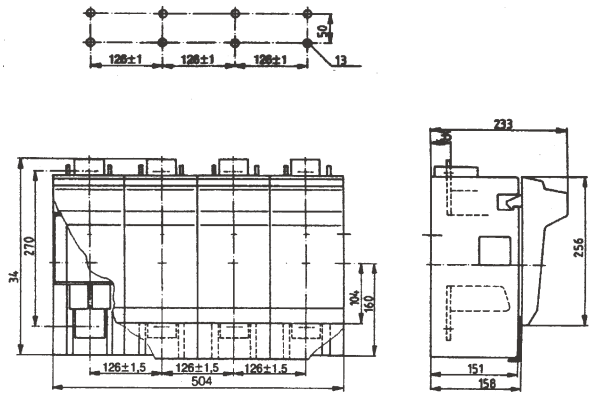
Dimensions drawings, size 2, 400 A



Dimensions drawings, size 3, 630 A



Dimensions drawings, size 4a, 1250 A



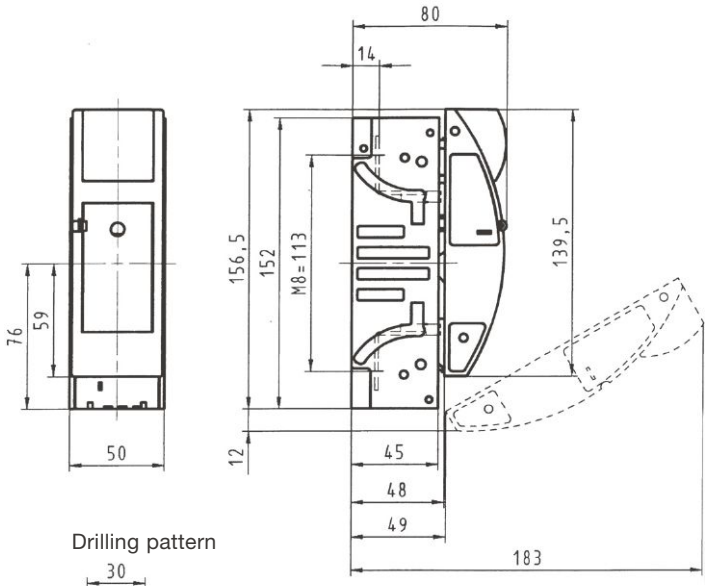
NH Fuse-Switches, horizontal design

NH Fuse-Switch, horizontal design, 1-pole, for baseplate or supporting-rail mounting

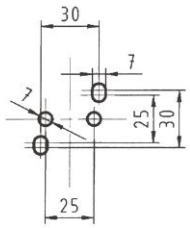
Description	Size	Amps I_{th}	Designation	PU	Weight in kg	Order no.
With multiple-use terminal (bolt M8)	00	160	NH-LATR 00IN 1P U5U5	2	0,350	**33136-0010**
With multiple-use terminal (bolt M8) for busbar mounting	00	160	NH-LATR 00IN 1P SB U5	2	0,350	**33137-0010**

NH Fuse-Switches, horizontal design

Dimensions drawings 33136-0010

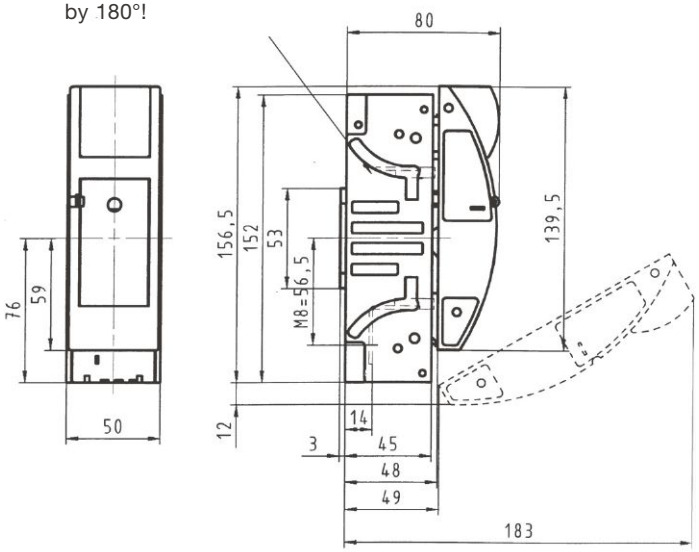


Drilling pattern

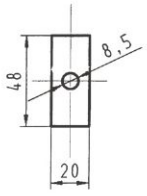


Dimensions drawings 33137-0010

Top/bottom feed selectable by turning the switch frame by 180°!



Connection to busbar



DC Fuse disconnector 10 x 38

Protection of DC photovoltaic (PV) systems against overcurrent and short-circuits

Size	10,3 x 38 mm
Rated voltage	1000 V DC
Rated current	1 to 32 A
Mechanical service life	5000 cycles
IP class	IP2X terminals
Utilization category	DC 20B
Minimum clearance	gPV
Power loss per terminal at 32 A (Pvt)	1,1 W
Compatible cylindrical caps (fuse-links)	Silver-coated copper
Compatible fuse-links	Recommendation: 55030-xxxx gPV – PV fuse-links
Note	DO NOT OPERATE UNDER LOAD

Rated voltage	Rated current	Terminal	Weight	PU	Order no.
1000 V DC	1 to 32 A	1 P	62 gr.	12	**76300-0100**
		1 P	62 gr	12	**76301-0100**
		2 P	122 gr.	6	**76300-0200**
		2 P	122 gr.	6	**76301-0200**

Temperature	Operating temperature: - 25 °C to + 50 °C Storage temperature - 25 °C to + 80 °C
Temperature-induced power reduction	Fuse-disconnectors are designed for use at rated current at 20 °C. They are inspected with a slightly vertically inclined fuse and in a controlled environment. When using a fuse-disconnector under any other conditions, the standard data must be adjusted by respective correction factors.

Temperature correction factors
Correction factors for adjustment to ambient temperature:

Ambient temperature	20 °C	30 °C	40 °C	50 °C
Rated current	I_n	0,95 x I_n	0,90 x I_n	0,80 x I_n

Group correction factor

Rated current reduced by factor K
If fuse-disconnectors are installed in groups, attention must be paid to their heating potential when operated at rated load. Depending on the fuse-link used, each fuse-disconnector dissipates power, possibly making the air temperature around the switch exceed the ambient temperature of the switchgear cabinet.

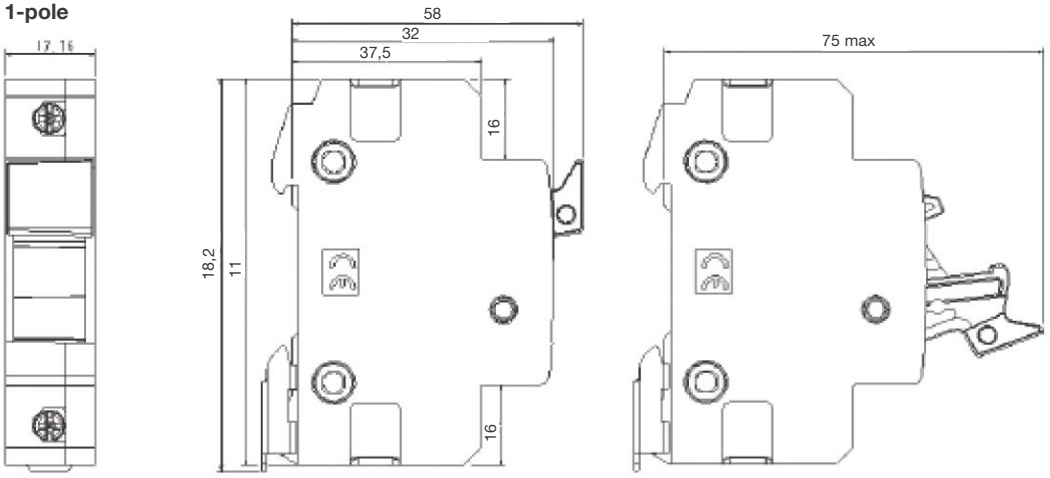
Number of units n	K (group correction factor)
1 ≤ n < 4	1
4 ≤ n < 7	0,8
7 ≤ n < 10	0,7
10 ≤ n	0,6

Installation:

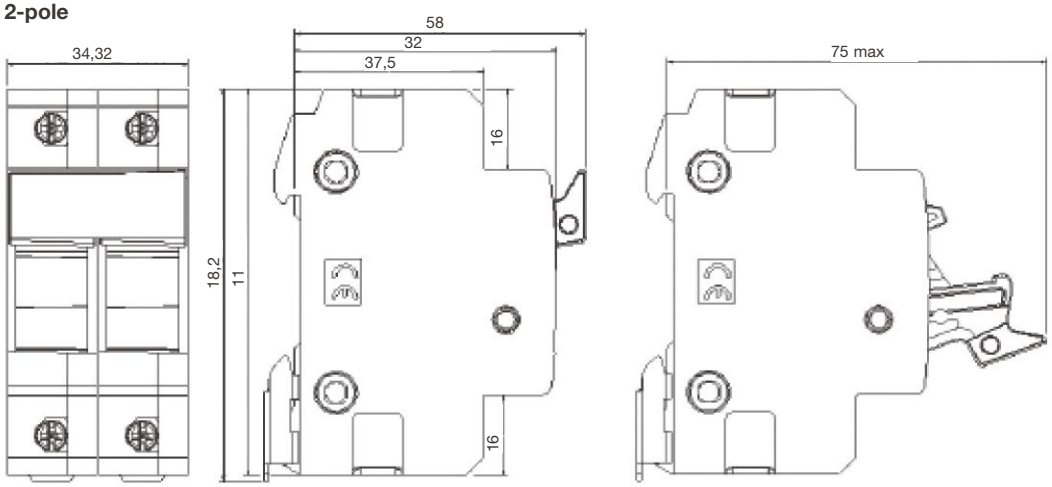
Installation	DIN busbar 50.022/-35
Rated voltage	Power supply via top and bottom terminals
Type of connection	Rigid conductors 1 to 16 mm² Flexible conductors: 0.75 to 10 mm²
Cables per terminal	max. 2
Terminal type	Input side = screw terminal (PZ2) Output side = screw terminal (PZ2)
Tunnel terminal	Pozidriv screw head size 2 and 5.5 mm slotted-head screw
Tightening torque:	2 Nm
Cable type	Copper for rigid and flexible conductors (with or without end sleeves)
Installation height	max. 2.000 m
Installation position	Vertical, horizontal and flat installation possible without power dissipation
DIN gripping lug	DIN bottom gripping lug, metal or plastic

DC Fuse disconnector 10 x 38

Dimensions DC Fuse disconnector, 1-pole



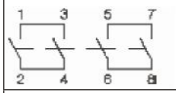
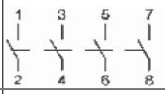
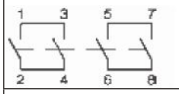
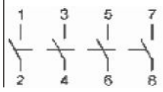
Dimensions DC Fuse disconnector, 2-pole



DC Disconnector

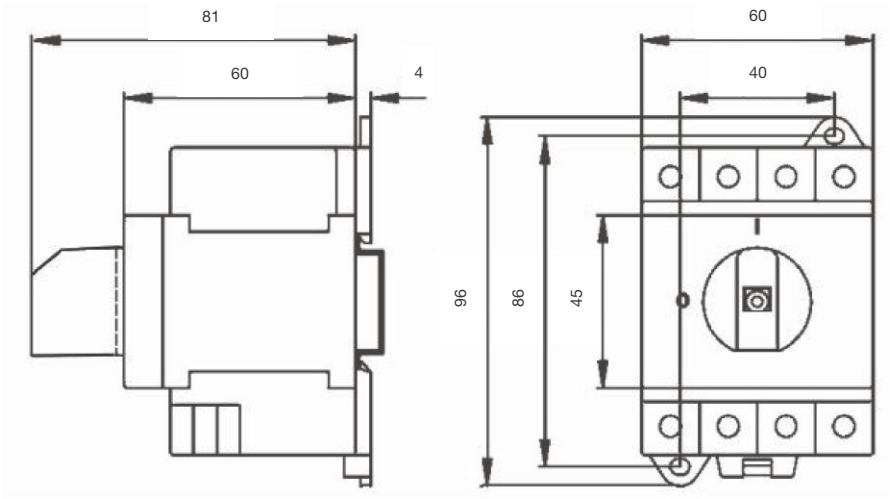
DC Disconnector 1000 V

Electrical characteristics

	Conventional free-air thermic current		**I_{th}**	32 A	
	Rated insulation voltage		**U_i**	1000 V	
	Rated impulse voltage		**U_{imp}**	8 kV	
	Pollution degree		3		
Rated current I_e		**500 V DC**	**600 V DC**	**800 V DC**	**1000 V DC**
DC21B L/R = 1 ms	2 poles in series 	32 A	32 A	23 A	13 A
	2 poles in series + 2 parallel poles 	58 A	58 A	23 A	13 A
	2 poles in series 	32 A	32 A	32 A	32 A
DC22B L/R = 2.5 ms	2 poles in series 	9 A	6,5 A	3 A	2 A
	2 poles in series + 2 parallel poles 	-	-	-	-
	2 poles in series 	32 A	27 A	12,5 A	10 A

Mechanical service life	Number of cycles	10.000
Terminals	Busbar	4 – 16 mm²
	Cable (solid)	4 – 10 mm²
	Cable (stranded)	4 – 10 mm²
	Screw terminal size	M4 Pz2
	Tightening torque	1.2 – 1.8 Nm
Ambient temperature	when open	-40 to +65 °C
	when closed	-40 to +40 °C
	in storage	-50 to +90 °C
Weight		216 g

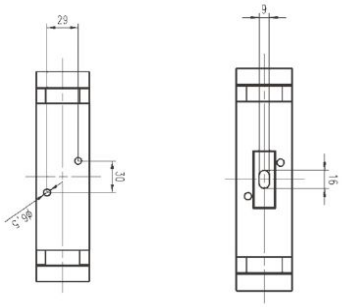
Dimensions of DC Disconnector



NH Fuse-Switches, horizontal design, 80 V DC

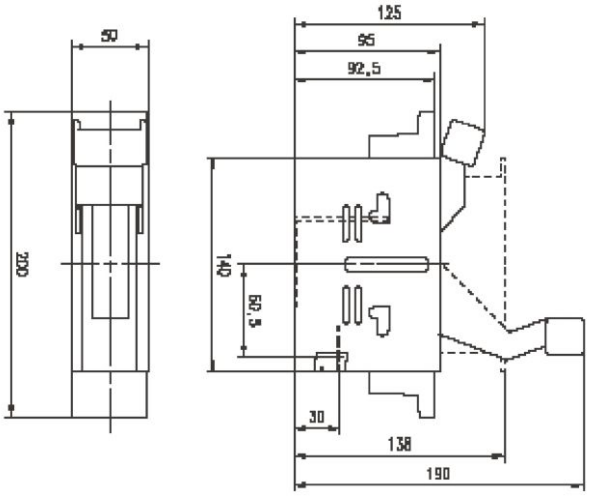
TPS Fuse-Switch

TPS 00/250



Baseplate mounting

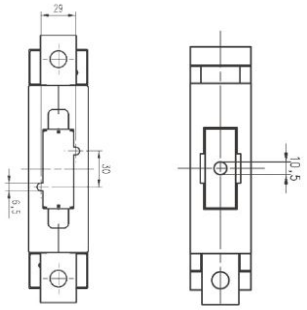
Busbar mounting



NH Fuse-Switches, horizontal design, 80 V DC

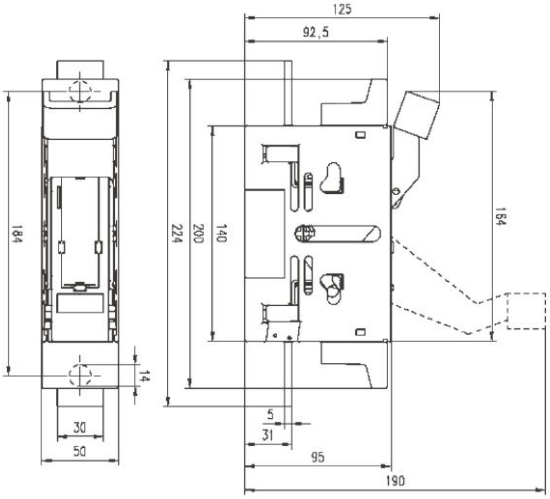
TPS Fuse-Switch

TPS 00/600

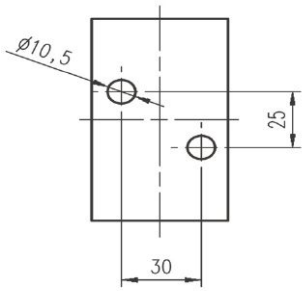


Baseplate mounting

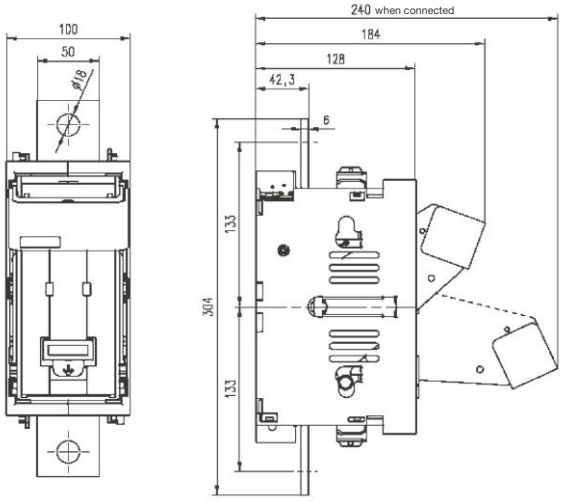
Busbar mounting



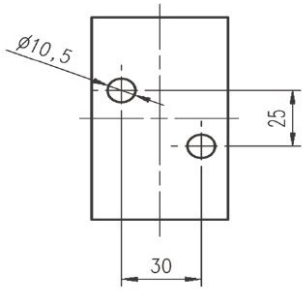
TPS 2/1200



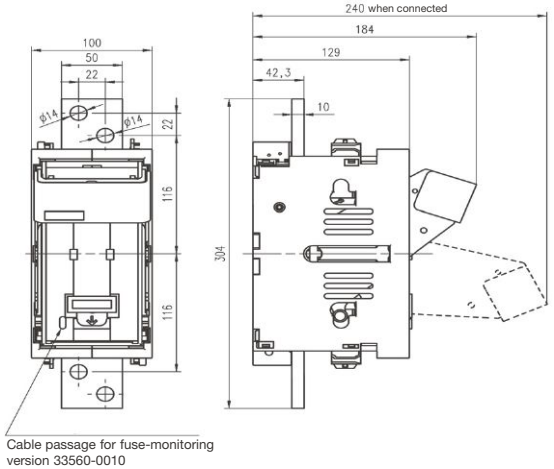
Baseplate mounting



TPS 2/1600



Baseplate mounting



Cable passage for fuse-monitoring version 33560-0010

NH Fuse-Switches, horizontal design, 550 V DC

Technical data for 1-pole NH Fuse-Switches acc. to VDE 0660 T107 / IEC/EN 60947-3

Suitable for NH fuse-links acc. to DIN 43620/11	Size	00	1	2	3	4a
Rated operating current I_e	A	160	250	400	630	1250 1600
Conventional free-air thermic current I_{th}	A	160	250	400	630	1250 1600
Rated operating voltage U_e	V	690	690	690	690	690
Rated isolation voltage U_i	V	800	800	800	800	800
Rated impulse withstand-current U_{imp}	kV	8	8	8	8	8
Conditional rated short-circuit current (when protected by NH fuse-links)	kA	50	50	50	50	50
Weight without fuse-links	kg	0,38	2,4	2,4	2,5	4,2
Utilization category acc. to VDE 0660 T107	U_e=400 V U_e=690 V U_e=440 V	AC-22 B AC-21 B DC-21 B	AC-22 B AC-21 B DC-21 B	AC-22 B AC-21 B DC-21 B	AC-22 B AC-21 B DC-21 B	AC-22 B AC-21 B DC-21 B
Permissible ambient temperature	°C	-40 to +55 °C				

Tightening torques for terminals and busbar contacting (Nm)

Type of connection	00	1	2	3	4a
Flat terminal	14 Nm	32 Nm	32 Nm	32 Nm	56 Nm
Multiple-use terminal U3 with pressure plate	4				
Multiple-use terminal U4 with pressure plate and contact prism	4				

NH Fuse-Switches, horizontal design, 550 V DC

NH Fuse-Switches, horizontal design, 1-pole switching, for baseplate mounting

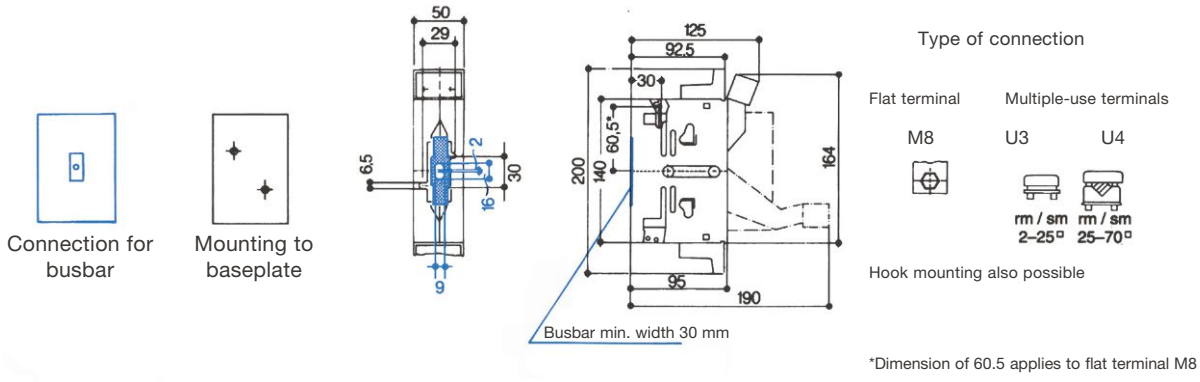
Description	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Flat terminal M8	00	160	NH-Latr. 00 1P SC G4G4	2	0,36	**33107-0010**
Multiple-use terminal U3 with pressure plate for 2.5 – 25 mm²	00	125	NH-Latr. 00 1P SC U3U3	2	0,35	**33108-0010**
Multiple-use terminal U4 with pressure plate and contact prism for 25 – 70 mm²	00	160	NH-Latr. 00 1P SC U4U4	2	0,38	**33109-0010**
Flat terminal M10	1	250	NH-Latr. 1 1P SC L5L5	2	2,03	**33095-0010**
Flat terminal M10	2	400	NH-Latr. 2 1P SC L5L5	2	2,03	**33096-0010**
Flat terminal M12	3	630	NH-Latr. 3 1P SC L6L6	2	2,22	**33097-0010**
Flat terminal M16	4a	1250	NH-Latr./Unt. 4a 1P L8L8	1	4,14	**33047-0010**
Flat terminal M12	4a	1600	NH-Latr./Unt. 4a 1P 1600 A L6L6	1	4,45	**33047-0070**

NH Fuse-Switches, horizontal design, 1-pole switching, for busbar mounting

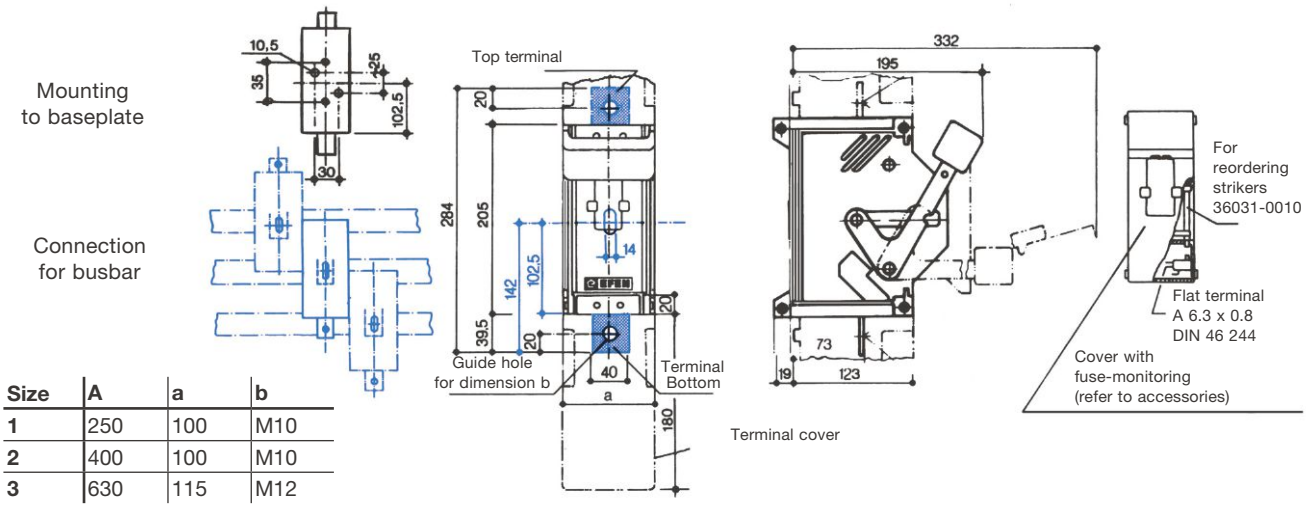
Terminal pos.	Type/Design	Size	Amps I_n	Designation	PU	Weight in kg	Order no.
Top/ bottom, can be selected during installation	**Flat terminal M8**	00	160	NH-Latr. 00 1P SB SC G4	2	0,38	**33111-0010**
	Multiple-use terminal U3 with pressure plate for 2.5 – 25 mm²	00	125	NH-Latr. 00 1P SB SC U3	2	0,37	**33112-0010**
	Multiple-use terminal U4 with pressure plate and contact prism for 25 – 70 mm²	00	160	NH-Latr. 00 1P SB SC U4	2	0,38	**33113-0010**
Top	**Flat terminal M10**	1	250	NH-Latr. 1 1PO SB SC L5	2	1,68	**33098-0020**
	Flat terminal M10	2	400	NH-Latr. 2 1PO SB SC L5	2	1,69	**33099-0020**
	Flat terminal M12	3	630	NH-Latr. 3 1PO SB SC L6	2	1,79	**33100-0020**
	Flat terminal M16	4a	1250	NH-Latr./Unt. 4a 1POSB L8	1	4,10	**33048-0020**
	Flat terminal M12	4a	1600	NH-LATR/UNT 4A 1PU SB 1600 A L6	1	4,35	**33048-0030**
Bottom	**Flat terminal M10**	1	250	NH-Latr. 1 1PU SB SC L5	2	1,68	**33098-0010**
	Flat terminal M10	2	400	NH-Latr. 2 1PU SB SC L5	2	1,70	**33099-0010**
	Flat terminal M12	3	630	NH-Latr. 3 1PU SB SC L6	2	1,80	**33100-0010**
	Flat terminal M16	4a	1250	NH-Latr./Unt. 4a 1PU SB L8	1	4,09	**33048-0010**
	Flat terminal M12	4a	1600	NH-LATR/UNT 4A 1PO SB 1600 A L6	1	4,35	**33048-0040**

NH Fuse-Switches, horizontal design, 550 V DC

NH Fuse-Switch, horizontal design, size 00: 125/160 A

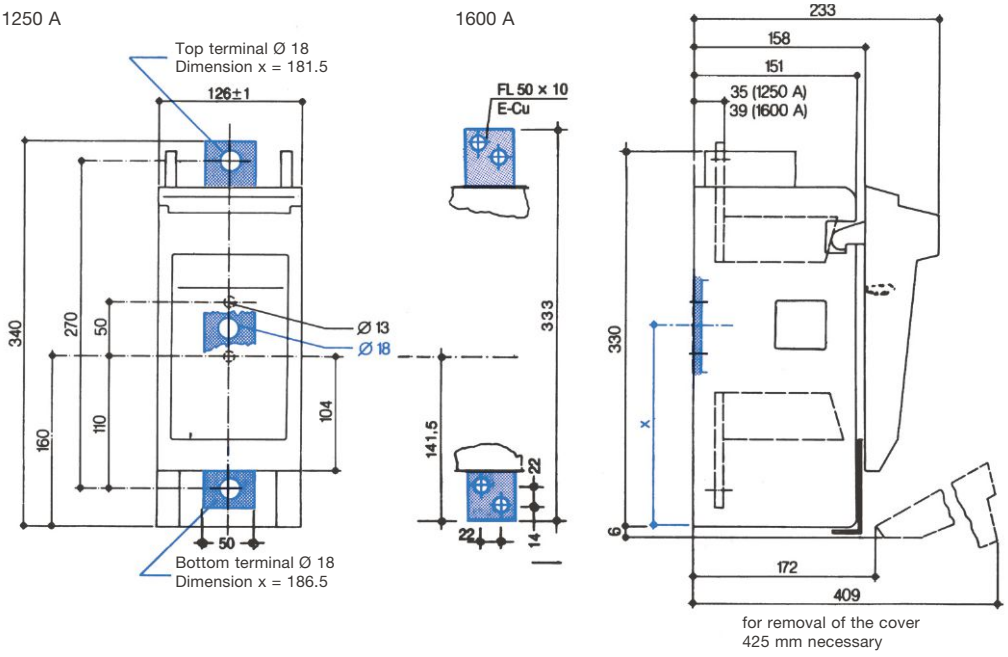


NH Fuse-Switch, horizontal design, size 1 – 3 250 A, 400 A, 630 A



Size	A	a	b
1	250	100	M10
2	400	100	M10
3	630	115	M12

NH Fuse-Switches, size 4a: 1250 A, 1600 A



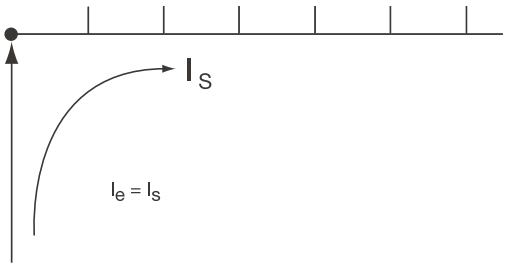
Feeding devices
Accessories

Technical data acc. to DIN EN 60947-1 VDE 0660 T100 / IEC 60947-1:2004 for size 000, narrow version and size 00

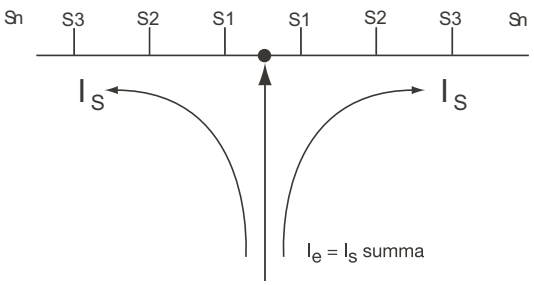
Description		
Materials	Busbar	E – Cu 58 F25
	Insulation	PC/ABS extruded – light gray RAL 7035
	End cap	PC/ABS injection-molded – light gray RAL 7035
	Terminal cover	PA66 V0 injection-molded – light gray RAL 7035
Temperature resistance	PC/ABS extruded	VST B 120 – ISO 306 = 113°C-UL94-VO/1,5
	PC/ABS injection-molded	VST B 120 – ISO 306 = 138°C – UL94-V01,6
Insulation coordination	Overvoltage category III / pollution degree 2	
Electric strength	PC / ABS	> 32 kV / mm
Impulse-withstand voltage	=/> 6,0kV (1kV/mmLS)	
Minimum air gap	> 8 mm	
Minimum creepage distance	> 8,5 mm	
Maximum operating voltage	690 V AC / 440 V DC	
Rated operating voltage	415 V	
Short-circuit resistance	12,5 kA – 100 ms / 400 V	

Resistance at 35 °C ambient temperature and depending on feed point

Busbar block length (m)	**Max.1**	**Max. 0,3**
Busbar cross-section	35 mm²	35 mm²
Feed connected at busbar start or end	125 A	200 A
Maximum Max. busbar current Is/phase	125 A	200 A
Connection cross-section	35 mm²	2x35 mm²
Feed connected at any other position		
Maximum Max. busbar current Is/phase	160 A	260 A
Connection cross-section	2x35 mm²	95 mm²
Feeding devices for size 000	-	2 - 5
Feeding devices for size 00	4 – 5 fach	2 - 3



Feed connected at busbar start or end



Feed connected at any other position

Note: If the feed is connected at the center of the busbar, the total outgoing current S1…..Sn of each busbar branch must not exceed the maximum busbar current Is/phase stated above.



NH Fuse-Switches, vertical design and Fuse-Rails

As a specialist for safety interfaces, EFEN offers a proven assortment of NH Fuse-Switches, vertical-design and Fuse-Rails in various series with many options and versions for customer-oriented solutions.

System

The vertical-design NH fuse-switches of the E3 series have been developed to meet all current and future needs of the modern power industry.
The series has been developed with a special focus on the responsible handling of energy as a resource. The ease of installation sets standards when installing and connecting. Excellent electric parameters such as 120 kA short-circuit resistance complement the product.

Features

All components are made of high-quality materials. Full range of accessories for monitoring and controlling provides the user with various options. They can be retrofitted at all times.
Mounting without drilling is equally possible at all times. There are various locking and park-position options to ensure safety.



NH Fuse-Switches, vertical design and Fuse-Rails

NH Fuse-Switches, vertical design

3-pole switching, for 60 mm busbar systems	page 182
for 100 mm busbar systems	page 182
for 185 mm busbar systems	page 183

NH Fuse-Switches, vertical design

1-pole switching, for 100 mm busbar systems	page 187
for 185 mm busbar systems	page 187
NH Fuse-Rails for 100 mm busbar systems	page 191
for 185 mm busbar systems	page 191
Accessories	page 192
Technical data	page 206
Solutions for measurement and power management	page 351

E^3 NH Fuse-Switches, vertical-design and Fuse-Rails



Multiple connection options



Multifunctional device carrier



Touch protection system IP2X



NH Fuse-Switch, vertical design 630 kVA



NH Fuse-Switch, vertical design, size 4a, 1-pole switching



NH Fuse-Rail EDURO Series



E³ NH Fuse-Switches, vertical design, 3-pole switching for 60 mm and 100 mm systems

▶ Technical data, page 210



38044-0020

E³ NH Fuse-Switches, vertical design, size 00/60, 3-pole switching, 160 A, for 60 mm busbar systems with hook contacting

Features:
- With reversible mounting hook
- Various connection options

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M8)	00/60	160	1	E³ NH-LA-LEI 00/60 3P U5	**38044-0020**
With box clamp 95 mm²	00/60	160	1	E³ NH-LA-LEI 00/60 3P R5	**38046-0020**



38054-0020

E³ NH Fuse-Switches, vertical design, size 00/100, 3-pole switching, 160 A, for 100 mm busbar mounting

Features:
- Various connection options
- Ready for current transformer
- Top or bottom terminals selectable

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M8), for hook-mounting, hook included	00/100	160	1	E³ NH-La-Lei 00/100 3P Bh U5	**38054-0020**
With box clamp 95 mm², for hook-mounting, hooks included	00/100	160	1	E³ NH-La-Lei 00/100 3P Bh R5	**38056-0020**
With multiple-use terminal (bolt M8), for transformer installation	00/100	160	1	E³ NH-LA-LEI 00/100 3P WV U5	**38054-0050**
With box clamp 95 mm², for transformer installation	00/100	160	1	E³ NH-LA-LEI 00/100 3P WV R5	**38056-0050**

E³ NH Fuse-Switches, vertical design, 3-pole switching for 185 mm busbar systems

▶ Technical data, page 211



38064-0020

E³ NH Fuse-Switches, vertical design, size 00/185, 3-pole switching, 160 A, for 185 mm busbar mounting

Features:
- Direct mounting
- Variant with elevated feed bracket at 150 mm installation depth
- Variant for installation of PSR 203 current transformers

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M8), for hook-mounting	00/185	160	1	E³ NH-La-Lei 00/185 3P U5	**38064-0020**
With box clamp 95 mm², for hook-mounting	00/185	160	1	E³ NH-La-Lei 00/185 3P R5	**38066-0020**
V-terminal (not including V-clamps)	00/185	160	1	E³ NH-La-Lei 00/185 3P SWP V2	**38065-0021**
With multiple-use terminal (bolt M8), elevated feed bracket adjacent to size 1 – 3	00/185	160	1	E³ NH-LA-LEI 00/185 3P Eh5 U5	**38064-0070**
With box clamp 95 mm², with elevated feed bracket for direct mounting adjacent to size 1 – 3	00/185	160	1	E³ NH-LA-LEI 00/185 3P Eh5 R5	**38066-0070**
With multiple-use terminal (bolt M8), elevated feed bracket adjacent to size 1 – 3, ready for PSR 203 transformer installation	00/185	160	1	E³ NH-LA-LEI 00/185 3P WV EH5 U5	**38064-0090**
With box clamp 95 mm², with elevated feed bracket for direct mounting adjacent to size 1 – 3, ready for PSR 203 transformer installation	00/185	160	1	E³ NH-LA-LEI 00/185 3P WV EH5 R5	**38066-0090**



38016-0020

E³ NH Fuse-Switches, vertical design, size 1 to 3, 3-pole switching, for 185 mm busbar systems

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M12)	1	250	1	E³ NH-LA-LEI 1 3P U6	**38016-0020**
With multiple-use terminal (bolt M12)	2	400	1	E³ NH-LA-LEI 2 3P U6	**38026-0020**
With multiple-use terminal (bolt M12)	3	630	1	E³ NH-LA-LEI 3 3P U6	**38036-0020**
With V2N terminal (not including clamps)	1	250	1	E³ NH-LA-LEI 1 3P V2N	**38015-0020**
With V2N terminal (not including clamps)	2	400	1	E³ NH-LA-LEI 2 3P V2N	**38025-0020**
With V2N terminal (not including clamps)	3	630	1	E³ NH-LA-LEI 3 3P V2N	**38035-0020**



38070-0730

E³ NH Fuse-Switches, vertical design, size 3, 3-pole switching, for 185 mm busbar systems, 910 A

Designation	Size	Amps	PU	Product designation	Order no.
Screw terminal 3 x 185 mm²	3	910	1	E³ NH-La-Lei 3 910A 3P 3x185mm²	**38070-0670**
Screw terminal M12 rear, horizontal	3	910	1	E³ NH-La-Lei 3 910A 3Phh L6	**38070-0730**
Special screw terminal M16 and M12	3	910	1	E³ NH-La-Lei 3 910A 3PHg L8L6	**38070-0770**
Screw terminal M12	3	910	1	E³ NH-La-Lei 3 910A 3P S6S6	**38070-0790**



38010-0160

E³ NH Fuse-Switches, vertical design, size 1 – 3, 3-pole switching, as coupling unit for connecting 2 busbar systems

Designation	Size	Amps	PU	Product designation	Order no.
Size 1, 3-pole switching	1	250	1	E³ NH-LA-LEI 1 3P KI	**38010-0160**
Size 2, 3-pole switching	2	400	1	E³ NH-LA-LEI 2 3P KI	**38020-0160**
Size 3, 3-pole switching	3	630	1	E³ NH-LA-LEI 3 3P KI	**38030-0160**

E³ NH Fuse-Switches, vertical design, 3-pole switching for 185 mm busbar systems

▶ Technical data, page 230



38036-0180

E³-NH Fuse-Switch, vertical design, size 3, 3-pole switching for parallel operation of 2 NH Fuse-Switches

Features:
- Terminal: four M12 bolts
- For other types please inquire
- Precise split of the current flow by pre-assembled terminals

Designation	Size	Amps	PU	Product designation	Order no.
E³-NH fuse-switch, vertical design, for parallel operation of 2 NH fuse-switches (twinning kit), terminal M12	3	1260	1	E³ NH-LA-LEI 3 3P Zw U6	**38036-0180**



38036-0080

E³ NH Fuse-Switches, vertical design, size 3, 3-pole switching with fixed 1000 A solid-links as feed switch

Features:
- Top or bottom terminal
- Two M12 screw terminals

Designation	Size	Amps	PU	Product designation	Order no.
Feed switch 1000 A with fixed solid-link	3	1000	1	E³ NH-LA-TR-LEI 1000A 3P U6	**38036-0080**



38030-0220

E³ NH Fuse-Switches, vertical design, for connecting 2 busbar systems, 3-pole, with fixed 1000 A solid-link

Designation	Size	Amps	PU	Product designation	Order no.
Incoming switch with integrated solid-link, for busbar isolation, internal terminal	3	1000	1	E³ NH-LA-TR-LEI 1000A 3P KL	**38030-0220**
Incoming switch with integrated solid-link, for busbar isolation, terminal on the right-hand side, for current transformer installation	3	1000	1	E³ NH-LA-TR-LEI 1000A 3P KL2	**38030-0240**



Internal terminal



Lateral terminal

E³ NH Fuse-Switches, vertical design, 3-pole switching for 185 mm busbar systems

▶ Technical data, page 236



38034-0300

E³ NH Fuse-Switches, vertical design, size 3, 3-pole switching, with fixed 1000-A solid-link for 2000 A

Designation	Size	Amps	PU	Product designation	Order no.
Multiple-use terminal (bolt M12)	3	2000	1	E³ NH-LA-TR-LEI 2x1000A 3P Zw U6	**38036-0300**
Coupling unit, supported on left-hand side	3	2000	1	E³ NH-LA-TR-LEI 2000A 3P KL2	**38030-0350**



38016-0460

E³ NH Fuse-Switches, vertical design, size 1 to 3, 3-pole switching, for 185 mm busbar systems, high performance

Features:
- 20 % less power dissipation
- 120 kA short-circuit resistance
- Excellent economic efficiency

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M12)	1	250	1	E³ NH-LA-LEI 1 3P HP U6	**38016-0460**
With multiple-use terminal (bolt M12)	2	400	1	E³ NH-LA-LEI 2 3P HP U6	**38026-0460**
With multiple-use terminal (bolt M12)	3	630	1	E³ NH-LA-LEI 3 3P HP U6	**38036-0460**



Example for IP2X application

E³ NH Fuse-Switches, vertical design, for IP2X applications

Designation	Size	Amps	PU	Product designation	Order no.
E³ NH-LA-LEI 00/185 1P Bh IP20 U5	00/185	160	1	E³ NH-LA-LEI 00/185 1P Bh IP20 U5	**38064-0500**
E³ NH-LA-Lei 00/185 3P Bh IP20 U5	00/185	160	1	E³ NH-LA-Lei 00/185 3P Bh IP20 U5	**38064-0520**
E³ NH-LA-LEI 1 3P IP20 U6	1	250	1	E³ NH-LA-LEI 1 3P IP20 U6	**38016-0520**
E³ NH-LA-LEI 2 3P IP20 U6	2	400	1	E³ NH-LA-LEI 2 3P IP20 U6	**38026-0520**
E³ NH-LA-LEI 3 3P IP20 U6	3	630	1	E³ NH-LA-LEI 3 3P IP20 U6	**38036-0520**
Busbar cover IP20	00-3		1	Sammelschienenabdeckung IP20	**36329-0010**
Feeding clamp IP2X V2MD 240sm / 300rm	00-3		3	Einspeiseklemme IP2X V2MD 240sm/300rm	**36846-0040**

NH Fuse-Switches, vertical design, 3-pole switching, for 185 mm busbar systems

▶ Technical data, page 238



38300-1275

NH Fuse-Switches, vertical design, size 3, 3-pole switching, 630 kVA, NTSL series

Designation	Size	Amps	PU	Product designation	Order no.
Screw terminal M12, bottom terminal, 3-pole switching	3	630kVA	1	NH-LA-LEI 3 3PU 630KVA VE SM ST GG L6	**38300-1275**
Screw terminal M12, top terminal, 3-pole switching	3	630kVA	1	NH-LA-LEI 3 3PO 630KVA VE SM ST GG L6	**38350-1275**
Special terminal for 60 mm busbars, top terminal, 3-pole switching	3	630kVA	1	NH-LA-LEI 3 3PO 630KVA SV L8 (L6)	**38350-1595**
Screw terminal M12, rear terminal, 3-pole switching	3	630kVA	1	NH-LA-LEI 3 3PH 630KVA VE GG S6	**38374-1495**

E³ NH Fuse-Switches, vertical design, 1-pole switching, for 100 mm and 185 mm busbar systems

▶ Technical data, page 210



38054-0000

E³ NH Fuse-Switches, vertical design, size 00/100, 1-pole switching, 160 A, for 100 mm busbars

Features:
- Various connection options
- Ready for current transformer
- Top or bottom terminals selectable

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M8), for hook-mounting, hook included	00/100	160	1	E³ NH-La-Lei 00/100 1P Bh U5	**38054-0000**
With box clamp 95 mm², for hook-mounting, hooks included	00/100	160	1	E³ NH-LA-LEI 00/100 1P R5	**38056-2000**
With multiple-use terminal (bolt M8), for transformer installation	00/100	160	1	E³ NH-LA-LEI 00/100 1P WV U5	**38054-0040**
With box clamp 95 mm², for transformer installation	00/100	160	1	E³ NH-LA-LEI 00/100 1P WV R5	**38056-0040**



38064-0060

E³ NH Fuse-Switches, vertical design, size 00/185, 1-pole switching, 160 A, for 185 mm busbars

Features:
- Direct mounting
- Variant with elevated feed bracket at 150 mm installation depth
- Variant for installation of PSR 203 current transformers

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M8), f or hook-mounting	00/185	160	1	E³ NH-La-Lei 00/185 1P U5	**38064-0000**
With box clamp 95 mm², for hook-mounting	00/185	160	1	E³ NH-La-Lei 00/185 1P R5	**38066-0000**
With V2 terminal (not including clamps)			1	E³ NH-La-Lei 00/185 1P SWP V2	**38065-0001**
With multiple-use terminal (bolt M8), elevated feed bracket adjacent to size 1 – 3	00/185	160	1	E³ NH-LA-LEI 00/185 1P Eh5 U5	**38064-0060**
With box clamp 95 mm², with elevated feed bracket for direct mounting adjacent to size 1 – 3	00/185	160	1	E³ NH-LA-LEI 00/185 1P Eh5 R5	**38066-0060**
With multiple-use terminal (bolt M8), with elevated feed bracket for direct mounting adjacent to size 1 – 3, ready for PSR 203 transformer installation	00/185	160	1	E³ NH-LA-LEI 00/185 1P WV EH5 U5	**38064-0080**
With box clamp 95 mm², with elevated feed bracket for direct mounting adjacent to size 1 – 3, ready for PSR 203 transformer installation	00/185	160	1	E³ NH-LA-LEI 00/185 1P WV EH5 R5	**38066-0080**

E³ NH Fuse-Switches, vertical design, 1-pole switching, for 185 mm busbar systems

▶ Technical data, page 214



38016-0000

E³ NH Fuse-Switches, vertical design, size 1 – 3, 3-pole switching, for 185 mm busbar systems

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M12)	1	250	1	E³ NH-LA-LEI 1 1P U6	**38016-0000**
With multiple-use terminal (bolt M12)	2	400	1	E³ NH-LA-LEI 2 1P U6	**38026-0000**
With multiple-use terminal (bolt M12)	3	630	1	E³ NH-LA-LEI 3 1P U6	**38036-0000**
With V2N terminal (not including clamps)	1	250	1	E³ NH-LA-LEI 1 1P V2N	**38015-0000**
With V2N terminal (not including clamps)	2	400	1	E³ NH-LA-LEI 2 1P V2N	**38025-0000**
With V2N terminal (not including clamps)	3	630	1	E³ NH-LA-LEI 3 1P V2N	**38035-0000**



38036-0600

E³ NH Fuse-Switches, vertical design, size 1 – 3, 1-pole switching, with flush handle

Features:
- For 168 mm installation depth

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M12)	1	250	1	E³ NH-LA-LEI 1 1P Fb U6	**38016-0600**
With multiple-use terminal (bolt M12)	2	400	1	E³ NH-LA-LEI 2 1P Fb U6	**38026-0600**
With multiple-use terminal (bolt M12)	3	630	1	E³ NH-LA-LEI 3 1P Fb U6	**38036-0600**

NH Fuse-Switches, vertical design, 1-pole switching, for 185 mm busbar systems

▶ Technical data, page 234



38400-0000

NH Fuse-Switches, vertical design, size 4a, 1-pole switching, for 185 mm busbar systems

Designation	Size	Amps	PU	Product designation	Order no.
Bottom terminals, screw terminal M16	4a	1250	1	NH-LA-LEI 4A 1PU L8	**38400-0000**
Top terminals, screw terminal M16	4a	1250	1	NH-LA-LEI 4A 1PO L8	**38450-0000**
Bottom terminals, screw terminal 2 x M12	4a	1600	1	NH-LA-LEI 4A 1PU 1600A L6	**38400-0020**
Top terminals, screw terminal 2 x M12	4a	1600	1	NH-LA-LEI 4A 1PO 1600A L6	**38450-0020**



38070-0760

E³ NH Fuse-Switches, vertical design, size 3, 1-pole switching, for 185 mm busbar systems, 910 A

Designation	Size	Amps	PU	Product designation	Order no.
Screw terminal M12 rear side, horizontal	3	910	1	E³ NH-La-Lei 3 910A 1Phh L6	**38070-0720**
Special screw terminal M16 and M12	3	910	1	E³ NH-La-Lei 3 910A 1PHg L8L6	**38070-0760**
Screw terminal M12	3	910	1	E³ NH-La-Lei 3 910A 1P S6S6	**38070-0780**
Screw terminal M16, rear side, elevated bracket	3	910	1	E³ NH-La-Lei 3 910A 1Phhw L8	**38070-0830**
Screw terminal rear side, upper left-hand side	3	910	1	E³ NH-La-Lei 3 910A 1PhwLO	**38077-0820**



38300-1235

NH Fuse-Switches, vertical design, size 3, 1-pole switching, 630 kVA, NTSL series

Designation	Size	Amps	PU	Product designation	Order no.
Screw terminal M12, bottom terminal, 1-pole switching	3	630kVA	1	NH-LA-LEI 3 1PU 630KVA VE SM ST GG L6	**38300-1235**
Screw terminal M12, top terminal, 1-pole switching	3	630kVA	1	NH-LA-LEI 3 1PO 630KVA VE SM ST GG L6	**38350-1235**
Screw terminal M12, rear terminal, 1-pole switching	3	630kVA	1	NH-LA-LEI 3 1PH 630KVA VE GG S6	**38374-1465**

E³ NH Fuse-Switches, size 1-3, 1-pole switching, for 185 mm busbar systems, feed switches and parallel switches, coupling units

Features:
- Both terminals internal
- Busbar isolation at device center
- No space lost

Designation	Size	Amps	PU	Product designation	Order no.
Size 1, 1-pole switching	1	250	1	E³ NH-LA-LEI 1 1P KI	**38010-0150**
Size 2, 1-pole switching	2	400	1	E³ NH-LA-LEI 2 1P KI	**38020-0150**
Size 3, 1-pole switching	3	630	1	E³ NH-LA-LEI 3 1P KI	**38030-0150**



38036-0170

E³ NH Fuse-Switches, vertical design, size 3, 1-pole switching for parallel operation of 2 NH Fuse-Switches

Features:
- Terminal: four M12 bolts
- For other types please inquire
- Precise split of the current flow by pre-assembled terminals

Designation	Size	PU	Product designation	Order no.
E³-NH fuse-switch, vertical design, for parallel operation of 2 NH fuse-switches (twinning kit), terminal M12	3	1	E³ NH-LA-LEI 3 1P Zw U6	**38036-0170**

E³ NH Fuse-Switches, vertical design, 1-pole switching, for 185 mm busbar systems

▶ Technical data, page 240



38036-0290

E³ NH Fuse-Switches, vertical design, size 3, 1-pole switching, for 1000 or 2000 A

Designation	Size	Amps	PU	Product designation	Order no.
Parallel switch with integrated solid-link, multiple-use terminal (bolt M12)	3	2000	1	E³ NH-LA-TR-LEI 2x1000A 1P Zw U6	**38036-0290**
Fuse-switch, vertical design, with integrated solid-link, for busbar isolation, internal terminal	3	1000	1	E³ NH-LA-TR-LEI 1000A 1P KL	**38030-0210**
Fuse-switch, vertical design, with integrated solid-link, terminal supported on left-hand side	3	1000	1	E³ NH-LA-TR-LEI 1000A 1P KL2	**38030-0230**

NH Fuse-Switch coupling unit, vertical design, size 4a, 1-pole switching for connecting 2 busbar systems with 185 mm spacing

Designation	Size	Amps	PU	Product designation	Order no.
Coupling unit, 1 pole switching, terminal at the front left-hand side of busbar	4a	1250	1	NH-LA-LEI 4A 1P KL1	**38400-0260**



38010-0110

E³-NH Fuse-Switch, vertical design, size 1 – 3, 1-pole switching, with special terminals

Designation	Size	Amps	PU	Product designation	Order no.
Terminal on the right-hand side	1	250	1	E³ NH-LA-LEI 1 1Pr L6	**38010-0110**
Terminal on the left-hand side	1	250	1	E³ NH-LA-LEI 1 1Pl L6	**38010-0130**
Terminal on the rear side	1	250	1	E³ NH-LA-LEI 1 1Ph L6	**38010-0090**
Terminal on the right-hand side	2	400	1	E³ NH-LA-LEI 2 1Pr L6	**38020-0110**
Terminal on the left-hand side	2	400	1	E³ NH-LA-LEI 2 1Pl L6	**38020-0130**
Terminal on the rear side	2	400	1	E³ NH-LA-LEI 2 1Ph L6	**38020-0090**
Terminal on the right-hand side	3	630	1	E³ NH-LA-LEI 3 1Pr L6	**38030-0110**
Terminal on the left-hand side	3	630	1	E³ NH-LA-LEI 3 1Pl L6	**38030-0130**
Terminal on the rear side	3	630	1	E³ NH-LA-LEI 3 1Ph L6	**38030-0090**



38662-0000

NH Fuse-Switch, vertical design, size 2, 1-pole switching, EKDEO series

Designation	Size	Amps	PU	Product designation	Order no.
Clinch nut M12	2	400	1	EKDEO 1/2 1P S6	**38664-0000**
V-terminal (not including clamp)	2	400	1	EKDEO 1/2 1P V2	**38665-0000**
Stud M12 x 30	2	400	1	EKDEO 1/2 1P B6	**38662-0000**
V2N terminal (not including clamp)	2	400	1	EKDEO 1/2 1P V2N	**38665-0470**

NH Fuse-Rails
for 100 mm and 185 mm busbar systems

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38765-0001

NH Fuse-Rails, size 00 – 3, with contact and terminal cover

Designation	Amps	PU	Product designation	Order no.
Screw terminal M8, 100 mm busbar spacing	160	1	NH-LEI 00N SH G4	**38550-0020**
Multiple-use terminal (bolt M8), 185 mm busbar spacing	160	3	NH-LEI 00/185 SH U5	**38570-0020**
V2N terminal, including V-clamps 35-240 sm/35-300 se, 185 mm busbar spacing	160	2	NH-LEI 00/185 SH BG VK V2N	**38575-0600**
with V2 terminal (not including clamps)	160	1	E³ NH-Lei 00/185 V2	**38765-0001**
Clinch nut M12, EDURO series	400	1	NH-LEI 1-2 SH S6	**38864-0020**
V2N terminal (not including V-clamps), EDURO series	400	1	NH-LEI 1-2 SH V2N	**38865-0020**
Clinch nut M12		1	NH-LEI 3N SH KH S6	**38954-0140**
V2N terminal (not including clamp)	630	1	NH-LEI 3N SH V2N	**38955-0020**
for applications up to 1200 V DC, suitable for NH fuses of size 2XL and 3L	400	1	NH-LEI 2XL/3L 2P 1200VDC 400A SH S6	**38954-0030**

Accessories
NH Fuse-Switches, vertical design, size 00



36338-0010

E³ twin adapter for mounting size 00/60 on busbar systems with 185 mm spacing

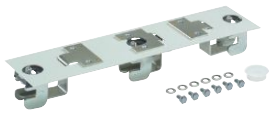
Designation	Size	PU	Product designation	Order no.
E³ twin adapter for installation of size 00/60 for 185 mm busbar spacing	00/60	1	Doppeladapter E³ 60/185	**36338-0010**



36337-0010

E³ twin adapter for mounting size 00/100 on busbar systems with 185 mm spacing

Designation	Size	PU	Product designation	Order no.
E³ twin adapter for mounting of size 00/100 on busbar systems with 185 mm spacing	00/100	1	Doppeladapter E³ 100/185	**36337-0010**



36440-0010

E³ twin adapter for mounting size 00/100 on busbar systems with 185 mm spacing with hook-mounting on the busbar

Designation	Size	PU	Product designation	Order no.
E³ twin adapter for mounting of size 00/100 on 185 mm busbar spacing with hook-mounting on busbar	00/100	1	Doppeladapter E³ 100/185 Bh	**36440-0010**



36339-0010

E³ single adapter for mounting size 00/100 on busbar systems with 185 mm spacing

Designation	Size	PU	Product designation	Order no.
E³ single adapter for installation of size 00/100 on busbar systems with 185 mm spacing	00/100	4	Einfachadapter E³ 100/185	**36339-0010**



36398-0010

E³ twin adapter for height adjustment when mounting size 00/185 next to size 1-3

Designation	Size	PU	Product designation	Order no.
E³ twin adapter for height adjustment when mounting size 00/185 next to size 1 – 3	00/185	1	Doppeladapter E³ 185/185	**36398-0010**



36445-0010

Blanking cover for adapter size 00, 185 mm long, 50 mm wide with spacer bolt

Designation	Size	PU	Product designation	Order no.
BLANKING COVER E³ 50/185	00	1	LEERFELDABDECKUNG E³ 50/185	**36445-0010**



36397-0010

Blanking cover for adapter size 00, 185 mm long, 50 mm wide

Designation	Size	PU	Product designation	Order no.
Blanking cover, 50 mm wide –185 mm long	00/185	1	LEERFELDABDECKUNG E³ 50/185	**36397-0010**



36330-0010

Frame for length adjustment for size 00, 60/100 mm

Features:
- Length adjustment with E³-NH fuse-switches, vertical design, size 1 – 3
- Kit = 1 piece each

Designation	Size	PU	Product designation	Order no.
1 kit of upper/lower adjustment frames for length adjustment when mounting size 1 – 3.	00/60 00/100	1	AUSGLEICHSBLENDEN SET E³ GR.00	**36330-0010**

Accessories
NH Fuse-Switches, vertical design, size 00



36331-0010

Angle bracket

Features:
- Lateral or top installation
- 5 mm grid
- Clips onto universal sideframe
- With thread M6 or bore for PT screws Ø 3.5 mm
- Secures the protection cover

Designation	Size	PU	Product designation	Order no.
Lateral angle bracket for mounting universal sideframes	00-3	4	ABSTÜTZW. SET=4ST. E³ GR.00-3	**36331-0010**



36727-0010

Lateral cover

Features:
- Lateral cover for busbars
- Mounts to E³ NH fuse-switch, vertical design

Designation	Size	PU	Product designation	Order no.
Lateral safety cover, mounted on the device	00/185 3	1	Seitlicher Berührungsschutz E³ 00/185- 3	**36727-0010**



36380-0010

Identification label for size 00/60 to 00/185

Designation	Size	PU	Product designation	Order no.
Product identification label for identification holder	00/60 00/185	1	Produktbezeichnungsschild E³ Gr.00	**36380-0010**

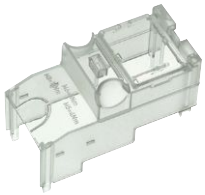


36391-0010

Identification holder, short, for size 00/185

Features:
- Fits E³-NH fuse-switches, vertical design, size 00/185

Designation	Size	PU	Product designation	Order no.
Identification holder, short, clipping to top or bottom	00/185	1	Infoträger klappbar E³ Gr.00/185	**36391-0010**



36400-0010

Terminal cover, short, for size 00/60 and 00/100

Features:
- For use with box clamps

Designation	Size	PU	Product designation	Order no.
Terminal cover, short, f or use with box clamps	00/60 00/100	1	Anschlussraumabd. kurz E³ 00/60/100	**36400-0010**
E³ terminal cover, long, 00/60/100		1	Anschlussraumabd. lang E³ 00/60/100	**36401-0010**



36402-0010

Terminal cover, short, for size 00/185

Features:
- For use with box clamps

Designation	Size	PU	Product designation	Order no.
Terminal cover, short, for use with box clamps	00/185	1	Anschlussraumabd. kurz E³ 00/185	**36402-0010**

Accessories
NH Fuse-Switches, vertical design, size 00



36377-0010

Pressure plates

Features:
- For Cu conductor
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Pressure plates for direct cable connection, 1.5 – 25 mm², (re, sm or flat conductor 16 – 10 mm)	00	3	1Satz (3Stück) Druckstücke E³ Gr.00	**36377-0010**



36378-0010

Pressure plates 95 mm² with contact prism

Features:
- For Cu and Al conductors
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Pressure plates with contact prism for direct cable-connection, 1.5 – 95 mm², (re, sm or flat conductor 16 – 10 mm)	00	3	1Satz (3Stück) Kontaktprismen E³ Gr.00	**36378-0010**

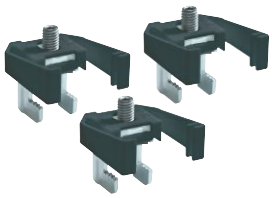


36366-0010

Pressure plates 150 mm² with contact prism for size 00, 185 mm

Features:
- For Cu and Al conductors
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Pressure plates with contact prism for direct cable-connection, 70 – 150 mm², (re, sm, rm)	00/185	3	1SATZ (3STÜCK) KONTAKTPRISMEN E³00/185	**36366-0010**



36367-0010

Contact hooks for size 00/185 for direct mounting

Features:
- For flat bars of 5 – 10 mm
- For direct mounting for sizes 1 – 3
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Contact hooks for E³-NH fuse-switches, vertical design, size 00/185, elevated feed bracket	00/185	3	1 Satz Kontakthaken E³ 00/185 Eh 150mm	**36367-0010**
1 kit (3 pieces) E³ hooks, size 00/100/185	00/185	3	1Satz (3St.) E³ Haken Gr.00/100/185	**36392-0010**

V-clamps

Designation	PU	Product designation	Order no.
1 kit of clamps E³ VST 00 Vk7 95se	3	1 Satz Klemmen E³ VST 00 Vk7 95se	**36749-0010**
1 kit of clamps E³ VST 00 Vk7 95se	3	1 Satz Klemmen E³ VST 00 Vk7 95se	**36768-0010**

Accessories
NH Fuse-Switches, vertical design, size 00



36395-0010

Device carrier, short, 95 mm, for size 00, 100/185 mm

Features:
- For plug-in current meters

Designation	Size	PU	Product designation	Order no.
Clip-on device carrier, 1-phase, 95 mm long	00/60- 00/185	1	Ausgleichsblende 00 95 2Löcher	**36395-0010**
Clip-on device carrier, 3-phase, 95 mm long	00/60- 00/185	1	AUSGLEICHSBLENDE E³ Gr.00 95 3phasig	**36388-0010**
Clip-on device carrier, 95 mm long, blanking element	00/60- 00/185	1	AUSGLEICHSBLENDE E³ Gr.00 95mm	**36386-0010**

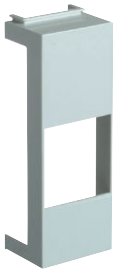


36387-0010

Device carrier, short, 95 mm, for size 00/60 to 00/185

Features:
- For flush current meters

Designation	Size	PU	Product designation	Order no.
Clip-on device carrier, 95 mm long, 1 cut-out	00/60- 00/185	1	Gerätehalter E³ Gr.00 K 48x48mm	**36387-0010**



36385-0010

Device carrier, long,135 mm, for size 00/60 to 00/185

Features:
- For flush current meters

Designation	Size	PU	Product designation	Order no.
Clip-on device carrier, 135 mm long, 1 cut-out	00/60- 00/185	1	Gerätehalter E³ Gr.00 L 48x48mm	**36385-0010**



36335-0010

Microswitch for position indication, size 00/60 to 00/185

Features:
- NC-contact or NO-contact microswitch
- 2 A / 250 V AC plug-in tab 2.8 x 0.5 mm

Use:
- 2 microswitches for 3-pole-switching devices

Designation	Size	PU	Product designation	Order no.
Microswitch for switch position indication, 1 NC contact or 1 NO contact, 1 kit = 6 pieces	00/60 00/185	6	Mikrosch.Schaltstellung. E³00(1Set=6St)	**36335-0010**



36379-0010

Window locking system

Features:
- Locks sliding window
- Installs internally

Screws
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Window locking system against unauthorized use	00 - 3	3	1Satz (3St) Stromdiebstahlsich. E³ 00-3	**36379-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36435-0010

Terminal cover, long

Features:
- Terminal cover 36444-0010
- For optimal protection against accidental contact

Designation	Size	PU	Product designation	Order no.
E³ terminal cover, extra long	1-3	1	E³ Anschlussraumabdeckung extra lang	**36435-0010**



36381-0010

Partition wall

Features:
- Partition wall for terminal space
- For long cable lugs
- 95 mm long

Designation	Size	PU	Product designation	Order no.
Partition wall for terminal space when using long lugs, 95 mm long	1-3	1	Trennwand E³ Gr.1-3	**36381-0010**



36438-0010

Terminal cover, short

Features:
- For use with V-clamps and box clamps

Designation	Size	PU	Product designation	Order no.
Terminal cover, short, for V-clamps or steel box clamps	1-3	1	Anschlussraumabdeckung E³ Gr.1-3 kurz	**36438-0010**



36331-0010

Angle bracket

Features:
- For top or side mounting with size 00 – 3
- 5 mm grid, installation depth 120 – 150 mm
- Clips onto universal sideframe
- For bolting the protection cover- with thread M6 or hole for PT screws Ø 3.5 mm

Designation	Size	PU	Product designation	Order no.
Lateral angle bracket for mounting universal sideframes	00-3	4	ABSTÜTZW. SET=4ST. E³ GR.00-3	**36331-0010**



36390-0010

Sideframe, universal

Features:
- Clips onto angle bracket, length 850 mm
- Fits on all sides

Designation	PU	Product designation	Order no.
Sideframe, universal, for E³ NH fuse-switches, vertical design, length 850 mm	1	Blendstreifen E³ 850mm	**36390-0010**



36727-0010

Lateral cover

Features:
- Lateral cover for busbars
- Fits E³-NH fuse-switch, vertical design

Designation	Size	PU	Product designation	Order no.
Lateral safety cover, m ounted on device	00/185 3	1	Seitlicher Berührungsschutz E³ 00/185- 3	**36727-0010**



36409-0010

Blanking cover

Features:
- Covers busbars

Designation	Size	PU	Product designation	Order no.
Cover mounts directly onto busbar	1-3	1	E³ Reserveplatzabdeckung	**36409-0010**
Cover with spacer bolts for elevated mounting	1-3	1	E³ Reserveplatzabdeckung m. Bolzen	**36410-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3

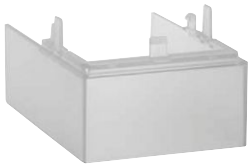


36356-0010

Identification holder

Features:
- Provides space for additional information
- Can also be used as top cover

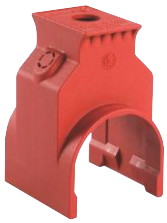
Designation	Size	PU	Product designation	Order no.
Identification holder, clips to top or bottom	1-3	1	Bez.-schildträger kompl. kurz Gr.1 EFEN	**36356-0010**
Identification holder, compl., short, size 2, EFEN		1	Bez.-schildträger kompl. kurz Gr.2 EFEN	**36356-0020**
Identification holder, compl., short, size 3, EFEN		1	Bez.-schildträger kompl. kurz Gr.3 EFEN	**36356-0030**
Identification holder E³, short, neutral		2	Beschriftungsträger E³ kurz neutral	**36405-0010**



31946-0100

Extension for terminal cover for EKDEO series

Designation	PU	Product designation	Order no.
Extension for terminal cover for EKDEO series	1	ARA-VERLÄNGERUNG LA-LEI 1/2 EVU	**31946-0100**

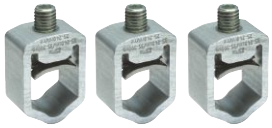


31607-0100

Connecting material

Designation	PU	Product designation	Order no.
V2N insulating cap	1	ISOLIERKAPPE V2N „lange Variante“	**31516-0100**
Insulating cap V2 MD	1	ISOLIERKAPPE V2 MD	**31607-0100**
1 SATZ V-KLEMME 35-70 SM MIT LASCHE	3	1 SATZ V-KLEMME 35-70 SM MIT LASCHE	**36025-0010**
V-clamp 35 – 25 mm² sm, 70 – 240 mm² se (1 kit = 3 pieces)	3	1 SATZ V-KLEMME 35-185 SM V2	**36025-0060**
1 kit (3 pieces) of claw clamps M12 for 50 – 150 mm² se	3	ANSCHLUSSKLEMMEN 50-150 SE FÜR S6 1 SATZ	**36063-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36298-0010

Aluminum V-clamp

Features:
- Kit = 3 pieces

Designation	PU	Product designation	Order no.
V2MD clamp for 25 – 300 mm² se	3	1 Satz Klemmen V2 MD 240sm/300rm	**36298-0010**



36354-0010

Contact hook

Features:
- Easy to retrofit
- Busbar thickness 5 – 10 mm
- Max. busbar width 100 mm
- Not suitable for coupling units
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Contact hooks for E³-NH fuse-switches, vertical design, size 1 – 3 for direct mounting to busbars with a thickness of 5 – 10 mm	1-3	3	HAKENKLEMME E³ 1-3 1 Satz (3 Stück)	**36354-0010**



36719-0010

Screw terminal M12x30

Features:
- With coiled spring element, ø 28 mm
- For busbar mounting or terminal connection
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Screw terminal M12 x 30, with coiled spring element	1-3	3	Sammelsch. Anschl. M12x30 1Satz (3Stück)	**36719-0010**
Retrofit kit for stud		3	Nachrüstsatz B6 E³ 1-3	**36369-0010**

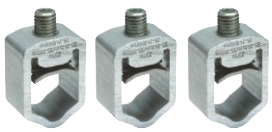


36350-0010

Steel captive clamp

Features:
- Steel captive clamp for multiple-use terminal
- Can retrofitted to screw terminal M12
- Corrosion-resistant
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Steel captive clamp for retrofitting of multiple-use terminal, 35-240 rm, 35-300 re, 50-300 sm/se	1-3	3	Klemme E³ FEST 50-240sm 1SATZ (3ST)	**36350-0010**

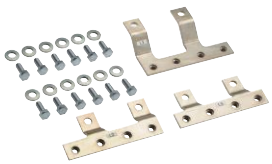


36298-0010

V-clamps

Features:
- Kit = 3 pieces

Designation	PU	Product designation	Order no.
V2MD clamp for 25 – 300 mm² se	3	1 Satz Klemmen V2 MD 240sm/300rm	**36298-0010**



36851-0010

Connecting pieces and terminal kits for parallel switches

Designation	PU	Product designation	Order no.
Connecting piece 2 x cover E³, 1-3, 3-pole	1	Verbindungssatz 2xDeckel E³ 1-3 3-polig	**36849-0010**
Connecting piece 2 x cover E³, 1-3, 1-pole	3	Verbindungssatz 2xDeckel E³ 1-3 1-polig	**36850-0010**
Terminal kit 2 x E³, 1-3 parallel	1	Anschlussgarnitur 2x E³ 1-3 parallel	**36851-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3

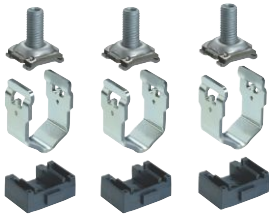


36353-0010

V-clamp

Features:
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Steel V-clamp, 35-240 rm, 35-300 re, 50-240 sm, 50-300 se	1-3	3	Klemme E³ VST 35-240rm 1Satz (3St)	**36353-0010**
E³ clamp COMPL., 2 x 95 – 185sm, 1 kit (3 pcs)		3	Klemme E³ VST 2x95-185sm 1SATZ (3ST)	**36754-0010**



36351-0010

Steel captive V-clamp

Features:
- For retrofitting to V-clamp for size 1 – 3
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Steel captive V-clamp, 35-240 rm, 35-300 re, 50-240 sm, 50-300 se	1-3	3	Klemme E³ VEST 35-240rm 1Satz (3St)	**36351-0010**



36299-0010

PEN lug

Features:
- For V-clamps- Twist-proof

Designation	Size	PU	Product designation	Order no.
PEN connection with lug, twist-proof, V2 MD-clamp, 25 – 300 mm²	1-3	3	PEN-Anschluss 1Satz (3St)	**36404-0010**
PEN-connection with lug, twist-proof, V2 MD clamp, 25 – 300 mm² se		1	PEN-Anschluss m. Klemme V2MD 240sm/300rm	**36299-0010**
MP terminal unit V2N 300 rm/sm		1	MP-Anschlusseinheit V2N 300 rm/sm	**36138-0020**



36444-0010

Connecting kit for 2 x 300 mm²

Features:
- For E³-NH fuse-switches, vertical design, of sizes 1 – 3
- Per phase 2 x max. 300 mm²

Designation	Size	PU	Product designation	Order no.
E³ connecting kit for 2 x 300 mm²	1-3	1	E³ Anschlussset 2x 300mm²	**36444-0010**



36435-0010

Terminal cover, long

Features:
- Terminal cover 36444-0010
- For optimal protection against accidental contact

Designation	Size	PU	Product designation	Order no.
E³ terminal cover, extra long	1-3	1	E³ Anschlussraumabdeckung extra lang	**36435-0010**

Feeding clamp

Designation	PU	Product designation	Order no.
Feeding clamp IP2X COMPL. 35 – 240rm	3	Einspeiseklemme IP2X VST 35-240rm	**36846-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36431-0010

E³-wiring kit for voltage cut-out

Features:
- Ready for connection to E³-NH fuse-switch, vertical design
- Connects to input or output
- Includes cable holder and terminal screws

Designation	PU	Product designation	Order no.
Wiring kit for voltage cut-out	1	Verdrahtungskit f. Spannungsabnahme	**36431-0010**



36430-0010

E³-wiring kit for current transformers

Features:
- Secondary lines 2.5 mm², black, no. 1 – 6
- Fits plug connections, isolation terminals or metering devices
- For top or bottom terminal
- Impulse-withstand voltage 3 kV
- Includes cable holder

Designation	PU	Product designation	Order no.
1-phase wiring kit for current transformers, secondary line 2.5 mm², black, no. 1 – 6, impulse-withstand voltage 3 kV	1	Verdrahtungskit f. 1 Stromwandler	**36429-0010**
3-phase wiring kit for current transformers, secondary line 2.5 mm², black, no. 1 – 6, impulse-withstand voltage 3 kV	1	E³ Verdrahtungskit f. 3 Stromwandler	**36430-0010**



36382-0010

Clip-on E³-cable holder

Features:
- Clip-on holder for neat cable routing
- For voltage metering or secondary lines

Designation	PU	Product designation	Order no.
Clip-on cable holder, mounted on rear side	1	Kabelhalter E³ Gr.1-3	**36382-0010**



36379-0010

Window locking system

Features:
- Locks sliding window
- Installs internally

Screws
- Kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Window locking system against unauthorized use	00 - 3	3	1Satz (3St) Stromdiebstahlsich. E³ 00-3	**36379-0010**



36375-0010

Microswitch for position indication

Features:
- NC-contact or NO-contact microswitch- 2 A / 250 V AC plug-in tab 2.8 x 0.5 mm

Use:
- 3 microswitches for 1-pole switching- 1 microswitch for 3-pole switching

Designation	PU	Product designation	Order no.
Microswitch for switch position indication, 1 NC contact or 1 NO contact, 1 kit = 6 pieces	6	Mikrosch.Schaltstellung. E³1-3(1Set=6St)	**36375-0010**



36407-0010

Handle cover

Features:
- Clips onto handle
- Red color
- 1 kit = 3 pieces

Designation	Size	PU	Product designation	Order no.
Clip-on handle cover, red	1-3	3	Griffblende E³ Gr.1-3 rot 3St	**36407-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36420-0010

Device carrier, low, with isolation terminal holder

Features:
- Fits E³-NH fuse-switches, vertical design
- With isolation terminal holder
  e. g. in combination with multifunctional measurement device
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier, low, with isolation terminal holder	1	Halteplatte mittel	**36420-0010**



36421-0010

Device carrier with DIN adapter and isolation terminal holders

Features:
- Fits E³-NH fuse-switches, vertical design
- One DIN adapter on front face
- With isolation terminal holder
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier with DIN adapter and isolation terminal holders, 352 mm long	1	Geräteträger lang 1 DIN-Schienenhalter	**36421-0010**

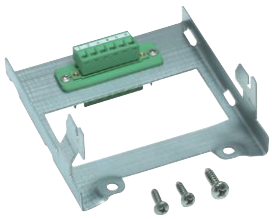


36374-0010

Device carrier with two DIN adapters and isolation terminal holders

Features:
- Fits E³-NH fuse-switches, vertical design
- Two DIN adapters on front face
  and low isolation terminal holders
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier with 2 DIN adapters and isolation terminal holders	1	Gerätetr.2DIN-Schienenh. Messw. Trennkl	**36374-0010**

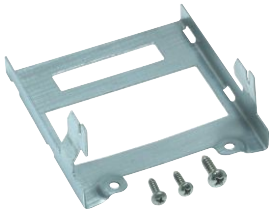


36370-0010

Device carrier, low, with 6-pole plug-connection

Features:
- Fits E³-NH fuse-switches, vertical design
- Terminal cross-section 2.5 mm²
- 250 V / 12 A
- e. g. microswitch or current transformer wiring
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier, low, with 6-pole plug-connection, clamp cross-section 2.5 mm², 250 V / 12 A	1	Geräteträger kurz mit Stecker 6p.	**36370-0010**



36419-0010

Device carrier, low, with DIN adapter

Features:
- Fits E³-NH fuse-switches, vertical design
- For the installation of devices and terminals
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier, low, with DIN adapter	1	Halteplatte kurz	**36419-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3

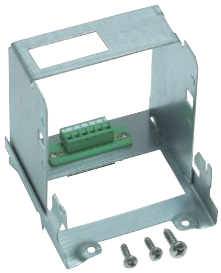


36371-0010

Device carrier with DIN adapter

Features:
- Fits E³-NH fuse-switches, vertical design
- One DIN-adapter on front face
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier with DIN adapter	1	Gerätetr. 1 DIN-Schienenhalter	**36371-0010**

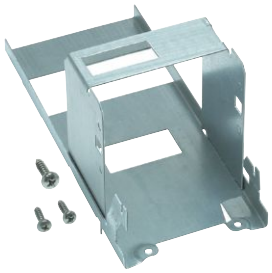


36372-0010

Device carrier with DIN adapter and 6-pole plug-connection

Features:
- Fits E³-NH fuse-switches, vertical design
- One DIN-adapter on front face
- 6-pole plug connection
- Terminal cross-section 2.5 mm²
- 250 V / 12 A
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier with DIN adapter and 6-pole plug-connection, clamp cross-section 2.5 mm², 250 V / 12 A	1	Gerätetr. 1DIN-Schienenh. Steckverb.6p	**36372-0010**



36373-0010

Device carrier with DIN adapter and isolation terminal holders

Features:
- Fits E³-NH fuse-switches, vertical design
- One DIN-adapter on front face
- With isolation terminal holder
- Includes mounting and earth screws

Designation	PU	Product designation	Order no.
Device carrier with DIN adapter and isolation terminal holders, 225 mm long	1	Gerätetr.1DIN-Schienenh. Messw. Trennkl	**36373-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36422-0010

Device carrier, long, 120 mm

Features:
- For flush installation of device
- Frames can be joined

Designation	Size	PU	Product designation	Order no.
Device carrier E³, size 1 – 3, long, 72 x 72 mm	1-3	1	Gerätehalter E³ Gr.1-3 lang 72x72mm	**36383-0010**
Device carrier E³, size 1 – 3, long, 96 x 96 mm	1-3	1	Gerätehalter E³ Gr.1-3 lang 96x96mm	**36422-0010**
Device carrier E³, size 1 – 3, long, blank	1-3	1	Gerätehalter E³ Gr.1-3 lang blind	**36423-0010**

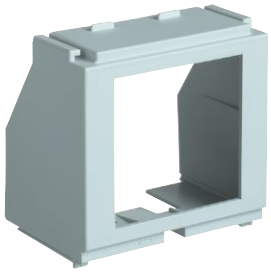


36437-0010

Device carrier

Features:
- Covers oversized cut-outs
- Length adjustment up to 100 mm
- Installation depth to front of 150 mm

Designation	PU	Product designation	Order no.
Device carrier, 120 mm long, blanking element for adjustment	1	E³ Geräteh. Gr.1-3 lang blind Ausgl.	**36437-0010**



36424-0010

Device carrier, short, 97 mm

Features:
- For flush installation of device

Designation	PU	Product designation	Order no.
Device carrier, 97 mm long, cut-out 72 x 96, for flush installation	1	Gerätehalter E³ Gr.1-3 kurz 72x72mm	**36424-0010**
Device carrier, 97 mm long, blanking element	1	Gerätehalter E³ Gr.1-3 kurz blind	**36425-0010**



36427-0010

Device carrier, short, 97 mm

Features:
- For plug-in metering devices

Designation	PU	Product designation	Order no.
Device carrier, 97 mm, for clip-on metering devices, 1-phase	1	Gerätehalter kurz 1phasig	**36426-0010**
Device carrier, 97 mm, for clip-on metering devices, 3-phase	1	Gerätehalter E³ Gr.1-3 kurz 3phasig	**36427-0010**



36428-0010

Device cover

Features:
- Snaps onto E³-NH fuse-switch, vertical design
- Device carrier and cover can be joined
- Can be trimmed to fit devices of 45 – 90 mm width

Designation	PU	Product designation	Order no.
Device cover, can be trimmed to fit devices of 45 – 90 mm width	1	Geräteabdeckung E³ Gr.1-3 NEOZED	**36428-0010**

Accessories
NH Fuse-Switches, vertical design, size 1 – 3



36434-0010

Sealing kit

Features:
- Fits device cover 36428-0010 and surge/overcurrent protectors
- For D01 fuse bases or other devices

Designation	PU	Product designation	Order no.
Sealing kit for device cover 36428-0010	1	Plombierung mit Bügel	**36434-0010**

Accessories for NH fuse-rails size 00 – 2

Designation	PU	Product designation	Order no.
Contact hooks (for mounting w/o drilling) 1 kit = 3 pieces	3	1 SATZ KONTAKTHAKEN EDURO	**36931-0010**
Contact hooks (for mounting w/o drilling) 1 kit = 3 pieces	3	1 SATZ KONTAKTHAKEN LA-LEI 1/2 U. 1-3N	**36932-0010**
Cover for NH fuse-switch, vertical design	1	ABDECKUNG LEI 1-2 EDURO	**36322-0010**
Carrier for identification label for NH fuse-switch, vertical design	1	INFOTRÄGER LEI 1-2	**36301-0010**
Cover E³ NH-LEI 00/185	1	Abdeckung E³ NH-LEI 00/185	**36748-0010**
Cover for PV fuse-switch	1	Sicherungsabdeckung PV-Leiste	**36837-0010**

NH Fuse-Switches, vertical design
Technical data

Product range overview

Type	Size 00	Size 1	Size 2	Size 3
Busbar system, 60 mm	•			
Busbar system, 100 mm	•			
Busbar system, 185 mm	•	•	•	•
Hook-contacting on busbar	•	•	•	•
Multiple-use terminal (screw terminal)	•	•	•	•
Pressure plates for Cu conductor	•			
Contact prism for Cu/Al conductor	•			
Stud		•	•	•
Clinch nut		•	•	•
Box clamp (95 mm²)	•			
Box clamp (V-clamp)		•	•	•
Switch position indication	•	•	•	•
Electronic fuse-monitoring	•	•	•	•

Technical data for NH Fuse-Switches, vertical design, according to VDE 0660 T107 / IEC/EN 60947-1/-3

		Unit	00/60	00/100	00/185	1	2	3
Suitable for NH fuse-links acc. to DIN 43620/1		Size	000/00	000/00	000/00	1	2	3
Rated operating current I_e	**400 V**	A	160	160	160	250	400	630
	500 V	A	160	160	160	250	400	630
	690 V	A	160	160	160	200	315	500
Conventional free-air thermic current I_{th} tested with solid-links						320	480	680
Conventional free-air thermic current I_{th}		A	220	220	220			
Rated operating voltage U_e		V	690	690	690	690	690	690
Rated isolation voltage U_i		V	1.000	1.000	1.000	1.000	1.000	1.000
Rated impulse withstand-current U_{imp}		kV	8	8	8	12	12	12
Conditional rated short-circuit current (when protected by NH fuse-links)	**400 V**	kA	100	100	120	120	120	120
	500 V	kA	100	100	120	120	120	120
	690 V	kA	100	100	100	100	100	100
Utilization category VDE 0660 T107 / EN/IEC 60947-3	**400 V**		AC-23B AC-22B	AC-23B AC-22B	AC-23B AC-22B	AC-23B AC-22B	AC-23B AC-22B	AC-23B AC-22B
	500 V		AC-22B	AC-22B	AC-22B	AC-22B	AC-22B	AC-22B
	690 V		AC-22B	AC-22B	AC-22B	AC-21B	AC-21B	AC-21B
Mechanical service life		Cycles	1.400	1.400	1.400	1.400	800	800
Electrical service life		Optik	200	200	200	200	200	200
Permissible ambient temperature		C°	-25 to +55	-25 to +55	-25 to +55	-25 to +55	-25 to +55	-25 to +55
Degree of prot. acc. to DIN/EN 60529 / VDE 0470 T1		IP	30	30	30	20	20	20
Maximum power dissipation of the NH fuse-link		W	12	12	12	23	34	48
Total power dissipation (device without fuse-link)		W	20	20	22	27	56	111
Pollution degree			3	3	3	3	3	3
Overvoltage category			IV	IV	IV	IV	IV	IV
Rated frequency		Hz	50-60	50-60	50-60	50-60	50-60	50-60
Weight without NH fuse-links		kg	1,20	1,30	2,00	4,70	5,00	5,60

Conductors

Type of connection	Conductor type		00/60 and 00/100	00/185	Size 1	Size 2	Size 3
Multiple-use terminal (screw terminal)			M8	M8	M12	M12	M12
Pressure plates for Cu conductor	Cu	re/rm/sm	1,5 - 25	1,5 -25			
Contact prism for Cu/Al conductor	Cu/Al	re/rm/se/sm	1,5 - 95	1,5 - 50			
Box clamp (95 mm²)	Cu	re/rm/se/sm	95	95			
Box clamp (V-clamp)	Cu	re/rm/se/sm		6 - 150	25 - 240	25 - 240	25 - 240
Box clamp (V-clamp)	Al	re/rm/se/sm		6 - 150	25 - 240	25 - 240	25 - 240

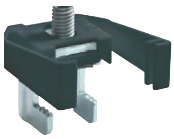
ε³ NH Fuse-Switches, vertical design
Technical data for NH Fuse-Switch, 1000 and 2000 A

Technical data acc. to IEC/EN 60947-1/-3

Size		Designation	Unit	1000 A	2000 A
Rated operating voltage		U_e	Vac	690	690
Rated operating current		I_e	A	1000	2000
Rated insulation voltage		U_i	Vac	1000	1000
Rated impulse withstand-current		U_{imp}	kV	12	12
Rated frequency		I_{cw}	Hz	50-60	50-60
Rated short-time withstand-current 1 sec with solid-link			kA	15 25*	25 40*
Utilization category AC	400 V 500 V 690 V			AC-22B AC-21B AC-21B	AC-22B AC-22B AC-21B
Mechanical service life number of cycles			n	800	800
Electrical service life number of cycles			n	200	200
Total power dissipation device without NH fuse-link			W	270	640 with solid-link
IP protection acc. to IEC 60529 with protection cover front cover closed front cover open		 IP IP		 20C 10	 20C 10
Ambient temperature		T_u	°C	-25 to +55 °C	-25 to +55 °C
Pollution degree				3	3
Overvoltage category				IV	IV
Material		The materials used do not contain any asbestos or ceramic fibers. They contain neither chlorofluorocarbons, polychlorinated biphenyls (PCB) or their isomers nor radioactive materials or quicksilver. All plastic parts are free of halogens, flame-resistant and do not emit hydrochloric acid when exposed to fire.			

* with add. locking system

e³ NH Fuse-Switches, vertical design
Technical data, size 00

Feed switch terminal	Item number	Terminal area busbar thickness	Bolt	Drive	Tightening torque
	36392-0010	Busbar thickness 5 – 10 mm	M8	INB4	6 Nm
	36367-0010	Busbar thickness 5 – 10 mm	M8	INB4	7 Nm
	36376-0010	Busbar thickness 5 – 10 mm	M8x20	SW13	14 Nm

Output connection	Description	Terminal area busbar thickness	Bolt	Drive	Tightening torque
	36376-0010	Cable lug max. 95 mm²	M8x14	SW13	14 Nm
	36377-0010	1.5 – 95 mm², re, rm, flat, 16 x 10 mm	M5	PZ2	4 Nm
	36378-0010	1.5 – 95 mm², re, rm, se, sm	M5	PZ2	4 Nm
	36366-0010	70 – 150 mm², re, rm, se, sm	M5	INB3	4 Nm
	36749-0010	70 – 150 mm², re, rm, se, sm	M5	INB3	4 Nm

Conductor types

- rm = round, stranded
- re = round and solid or round and stranded and condensed
- sm = sector, stranded 60°, 90°, 100° or 120°
- se = sector, solid 90° or 120°

e³ NH Fuse-Switches, vertical design
Technical data for connecting hardware, size 1 – 3

Feed connection	Item number	Terminal area	Bolt	Drive	Tightening torque
	36354-0010	Busbar thickness 5 – 10 mm Busbar width max. 100 mm	M10	INB5	20 Nm

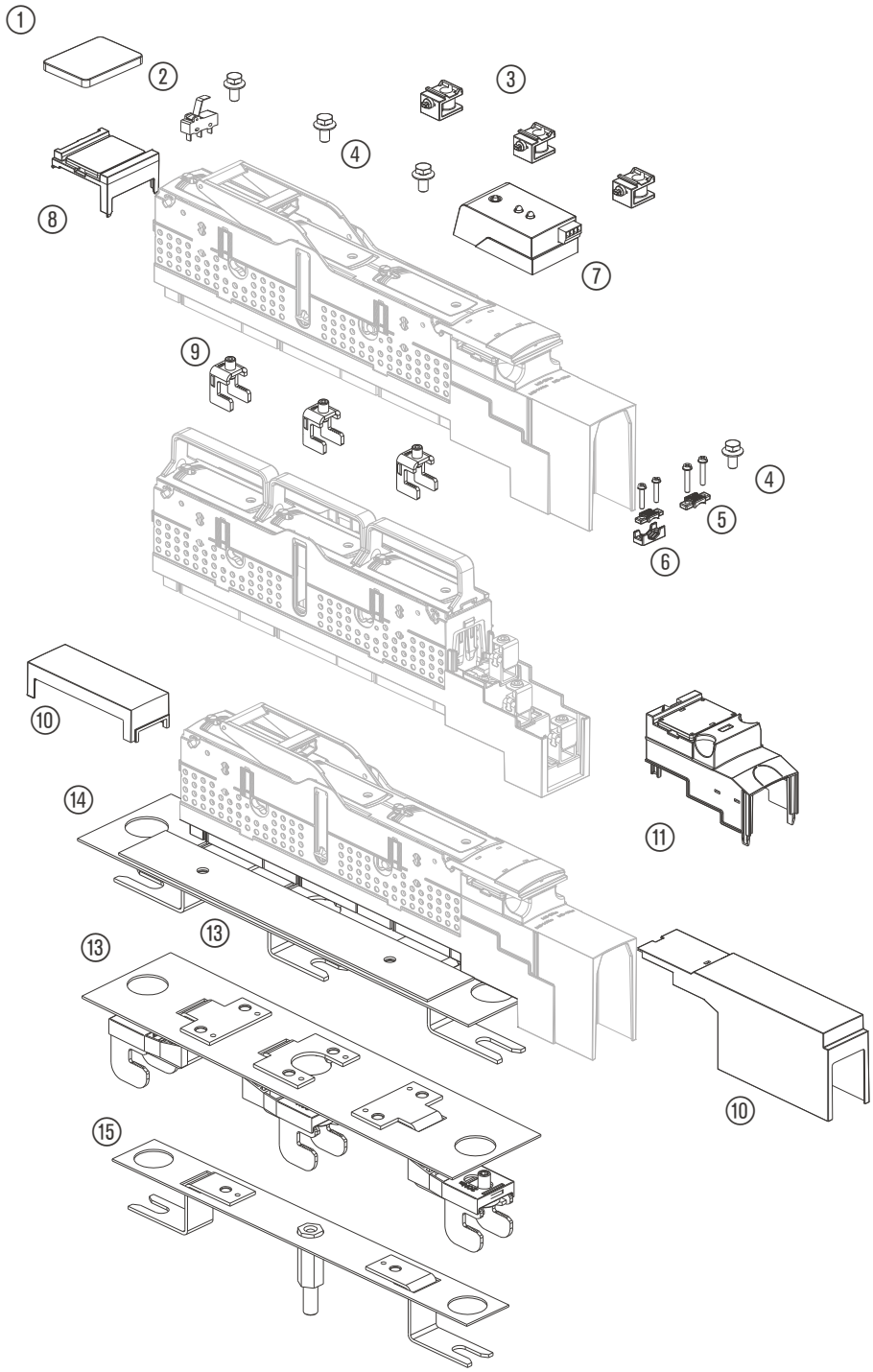
Output connection					
	36719-0010 36344-0010 36369-0010		M12 M12x30 M12x30	SW19 SW19 INB10	32 Nm 32 Nm 32 Nm
	36350-0010 Suitable for aluminum	35-240 rm 35-300 re 50-300 sm/se	M12	INB6	25 Nm
	36298-0010	25-240 rm/re 35-240 sm 35-300 se	M12	INB6	30 Nm
	36353-0010	35-240 rm 35-300 re 50-240 sm 50-300 se	M12	INB6	25 Nm
	36351-0010	35-240 rm 35-300 re 50-240 sm 50-300 se	M12	INB6	25 Nm

Conductor types

- rm = round, stranded
- re = round and solid or round and stranded and condensed
- sm = sector, stranded 60°, 90°, 100° or 120°
- se = sector, solid 90° or 120°

E³ NH Fuse-Switches, vertical design

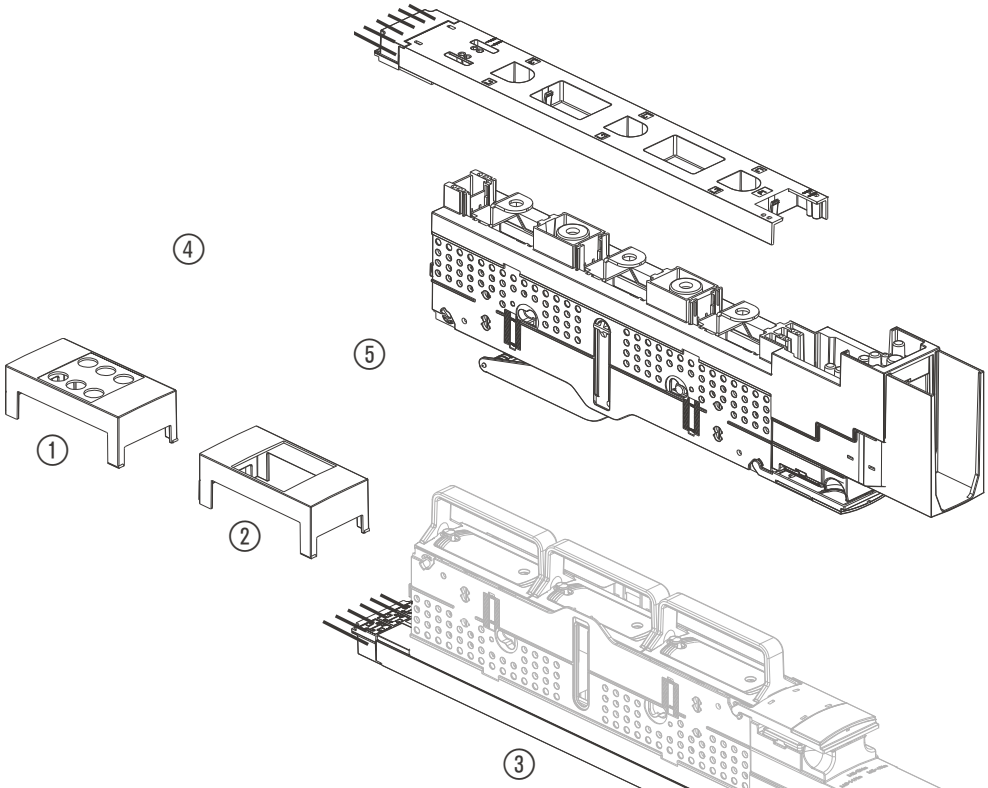
E³ NH Fuse-Switches, horizontal design, 00/60 and 00/100
Accessories



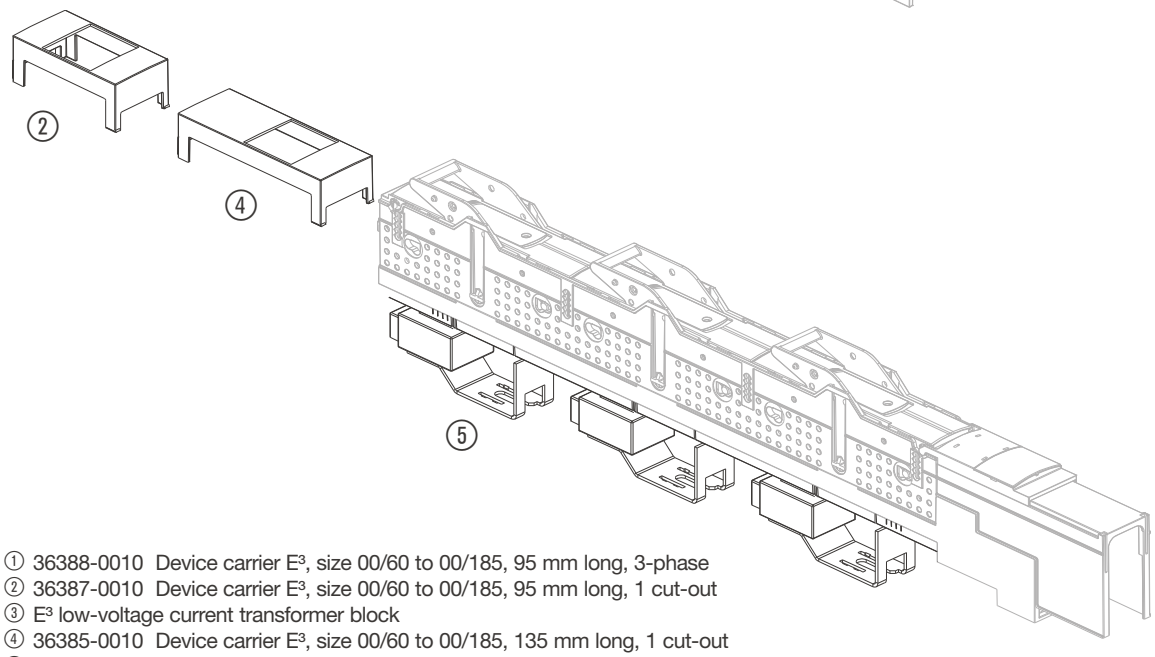
① 36380-0010 Identification label E³, size 00/60 to 00/185
② 36335-0010 6 microswitches for switch position indication E³, size 00/60 to 00/185
③ 36331-0010 Angle bracket Kit = 4 pieces E³, size 00 – 3
④ 36376-0010 3 bolts M8x25, hexagon socket
⑤ 36377-0010 3 pressure plates E³, size 00 (for direct cable-connection)
⑥ 36378-0010 3 pressure plates with contact prisms E³, size 00 (für direct connection)
⑦ Electronic fuse-monitoring
⑧ 36389-0010 Identification holder, size 00/60 to 00/185, top
⑨ included in the device (contact hooks)
⑩ 36330-0010 Frame for length adjustment, kit, E³, size 00/60 to 00/185
⑪ included in the device (contact hooks)
⑫ 36445-0010 E³ blanking cover, size 00/100 to 00/185
⑫ 36440-0010 Twin adapter E³, size 00/100 hook-mounting
⑭ 36337-0010 Twin adapter E³, size 00/100
⑮ 36339-0010 Single adapter E³, size 00/100
Note: For fuse-monitoring, refer to section on metering and communicating.

E³ NH Fuse-Switches, vertical design

E³-NH Fuse-Switch, vertical design, size 00/100 mm
Variant for installation of current transformer block
Accessories



E³-NH Fuse-Switch, vertical design
Size 00/185 mm
Variant for installation of a single current transformer
Accessories

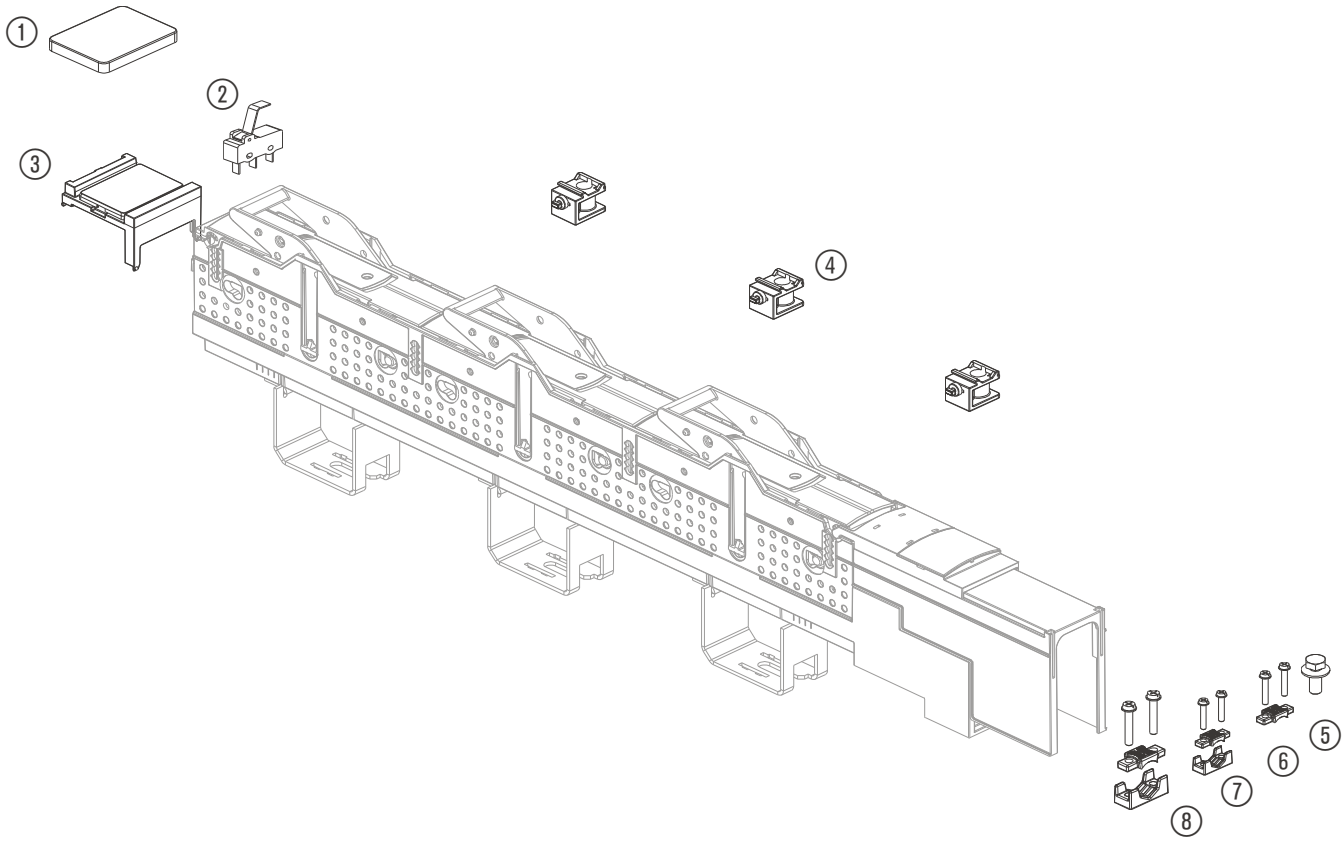


① 36388-0010 Device carrier E³, size 00/60 to 00/185, 95 mm long, 3-phase
② 36387-0010 Device carrier E³, size 00/60 to 00/185, 95 mm long, 1 cut-out
③ E³ low-voltage current transformer block
④ 36385-0010 Device carrier E³, size 00/60 to 00/185, 135 mm long, 1 cut-out
⑤ Variant for installation of PSR 203 current transformer

Note: For current transformers refer to section on metering and communicating

E³ NH Fuse-Switches, vertical design

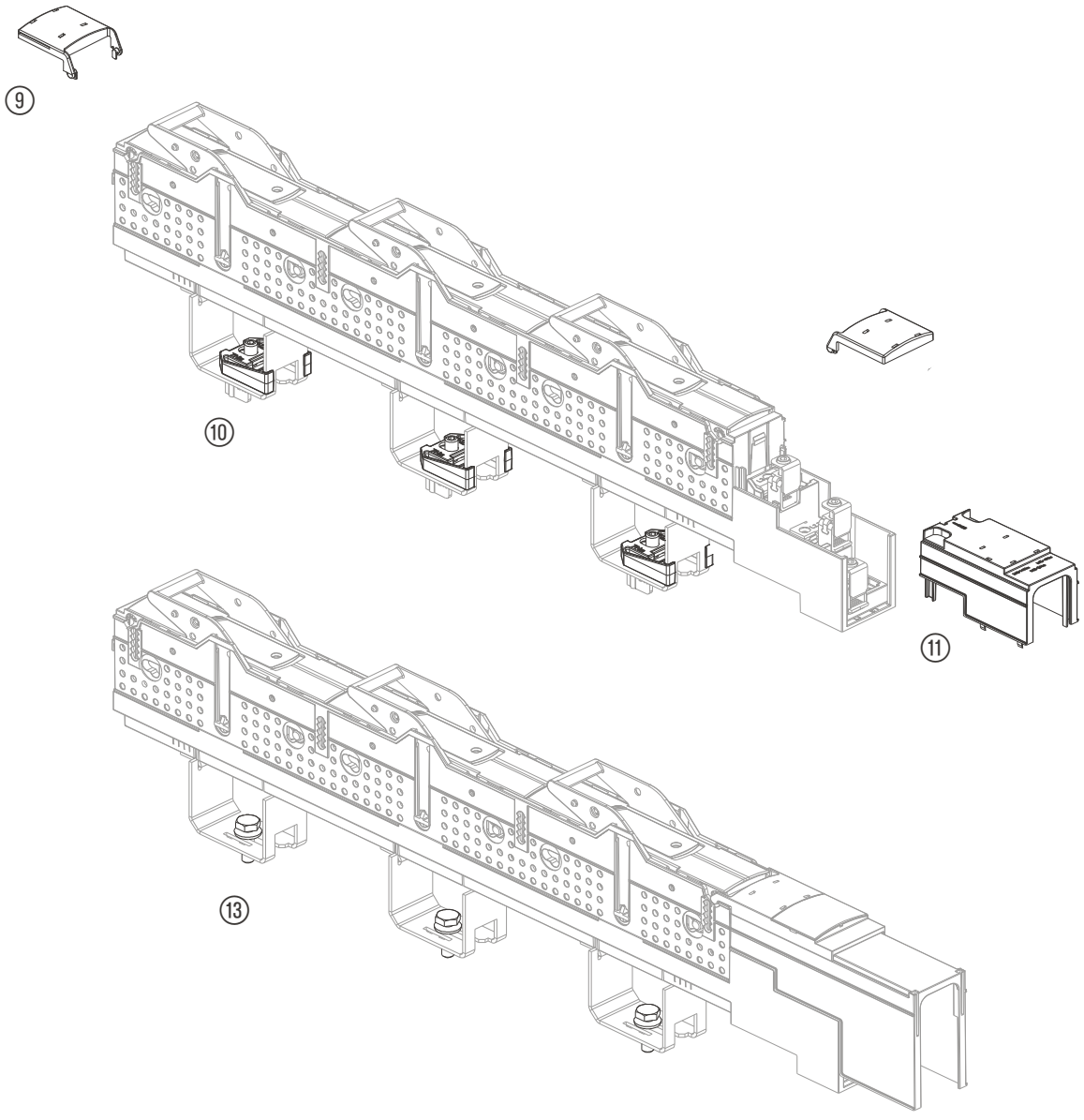
E³-NH Fuse-Switch, vertical design,
size 00/185
Direct mounting for size 1 – 3
Accessories



①	36380-0010	Identification label E³, size 00/60 to 00/185
②	36335-0010	6 microswitches for switch position indication E³ size 00/60 to 00/185
③	36389-0010	Identification holder, size 00/60 to 00/185, top
④	36331-0010	Angle bracket (kit = 4 pieces) E³, size 00 – 3
⑤	36376-0010	3 bolts M8x25, hexagon socket
⑥	36377-0010	3 pressure plates E³, size 00
⑦	36378-0010	3 pressure plates with contact prism E³, size 00
⑧	36366-0010	3 pressure plates with contact prism E³, 00/185

E³ NH Fuse-Switches, vertical design

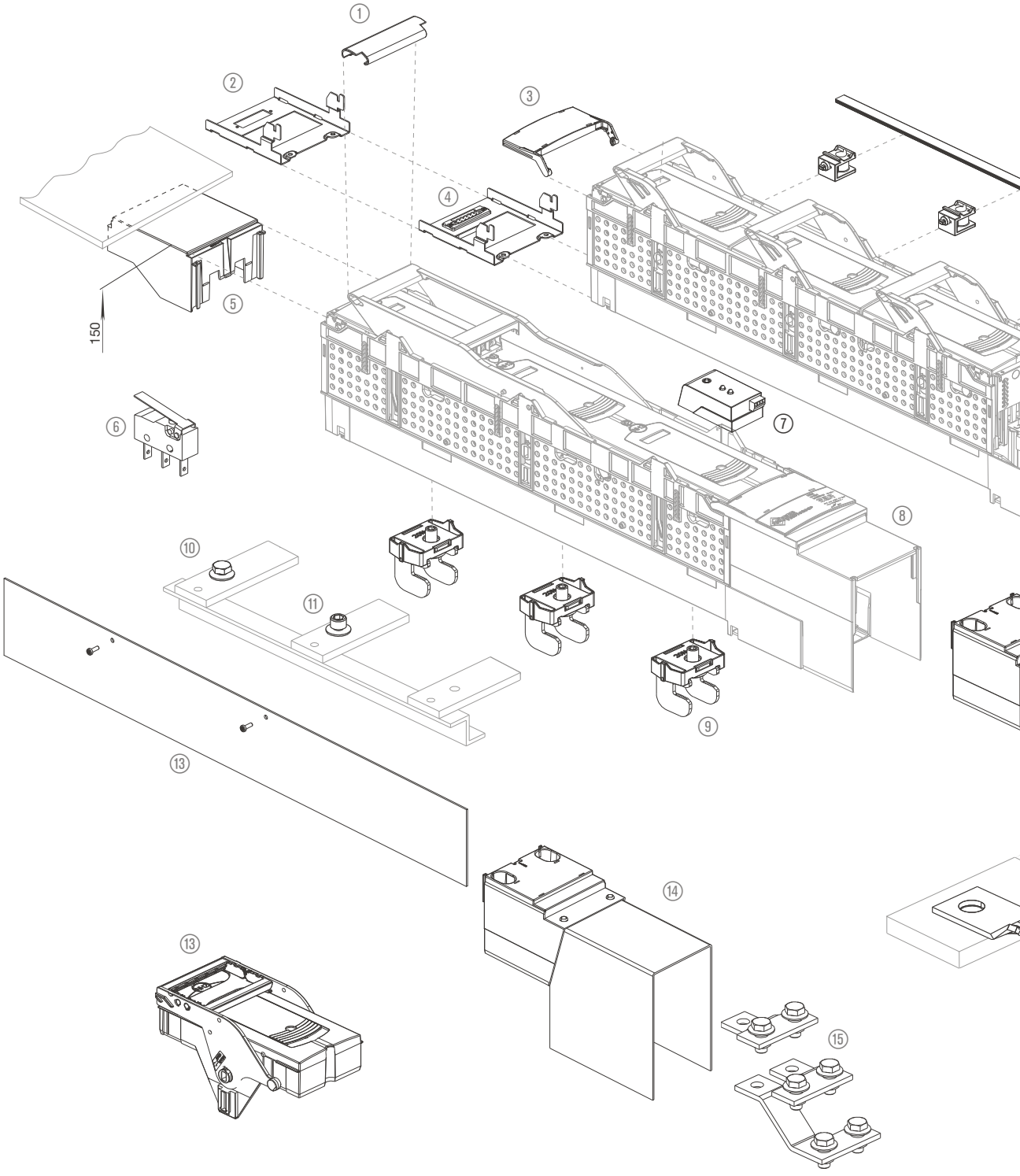
E³-NH Fuse-Switch, vertical design, size 00/185
Direct mounting for size 1 – 3
Accessories

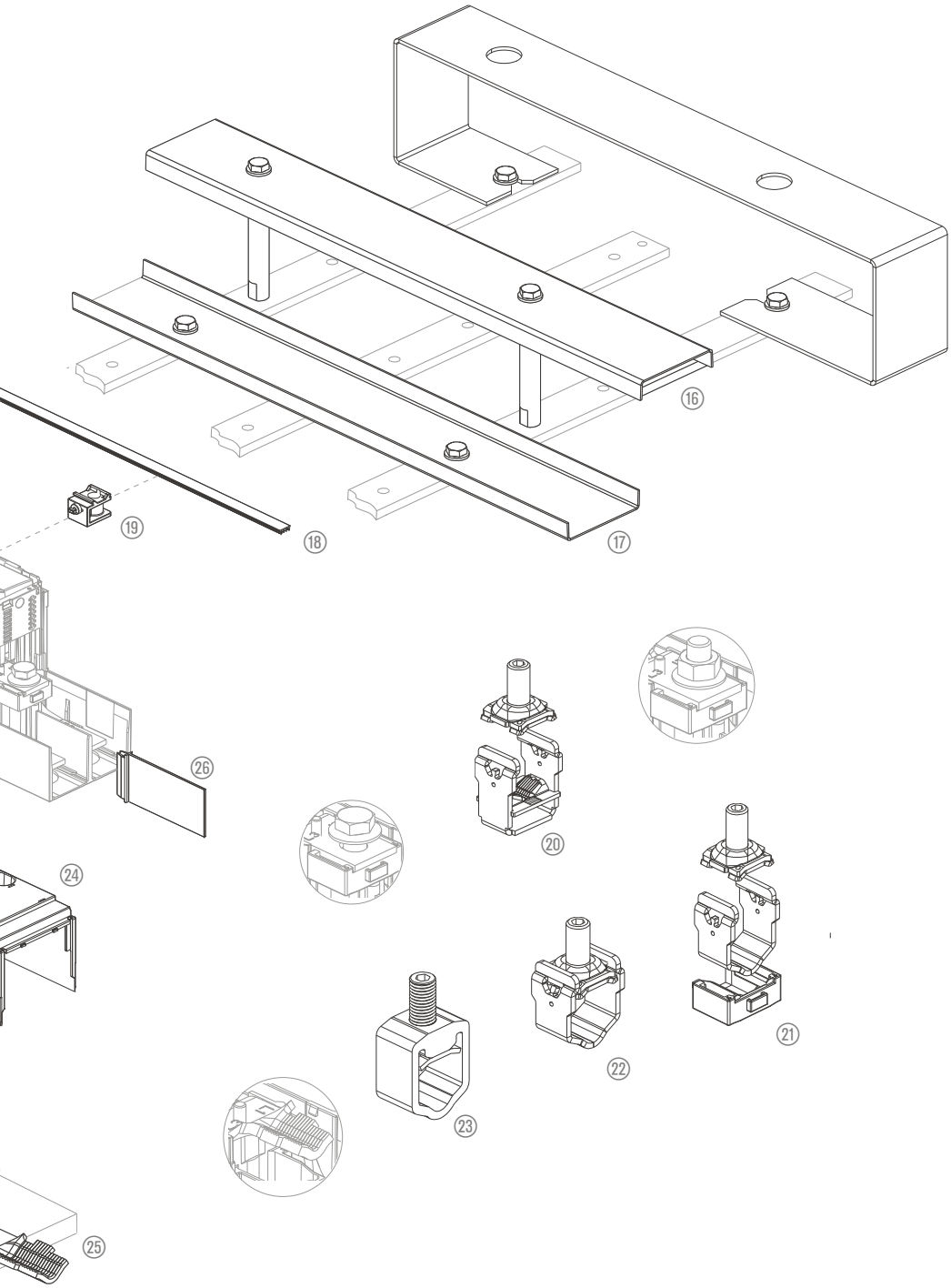


⑨ 36391-0010 Clip-on identification holder, short, E³, size 00/185
⑩ 36367-0010 3 contact hooks E³ 00/185 Eh 50 mm
⑪ included in the device (terminal cover)
⑫ 36376-0010 3 bolts M8x25, hexagon socket

ϵ³ NH Fuse-Switches, vertical design

ϵ³-NH Fuse-Switch, vertical design,
size 1 – 3
Accessories

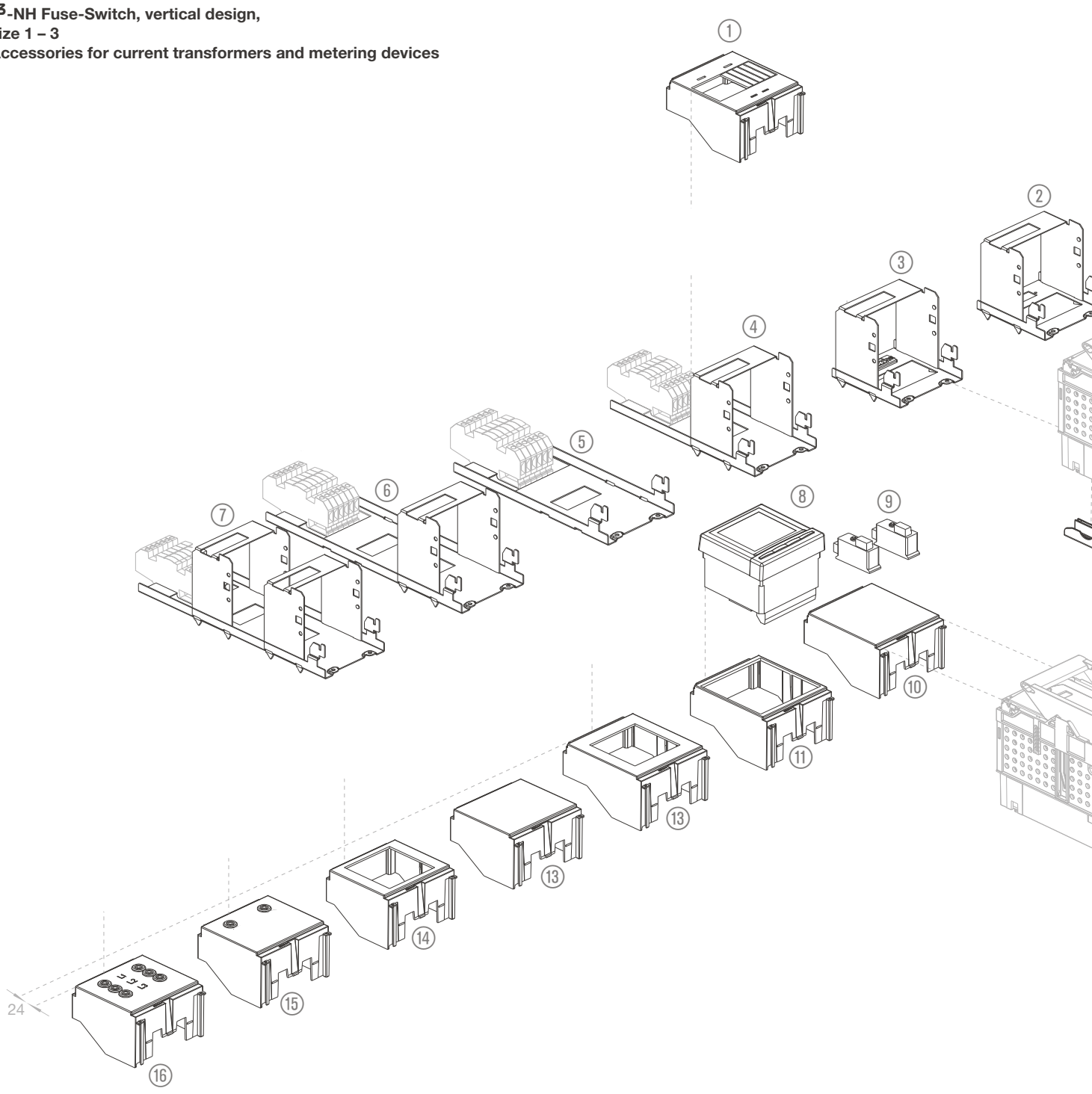


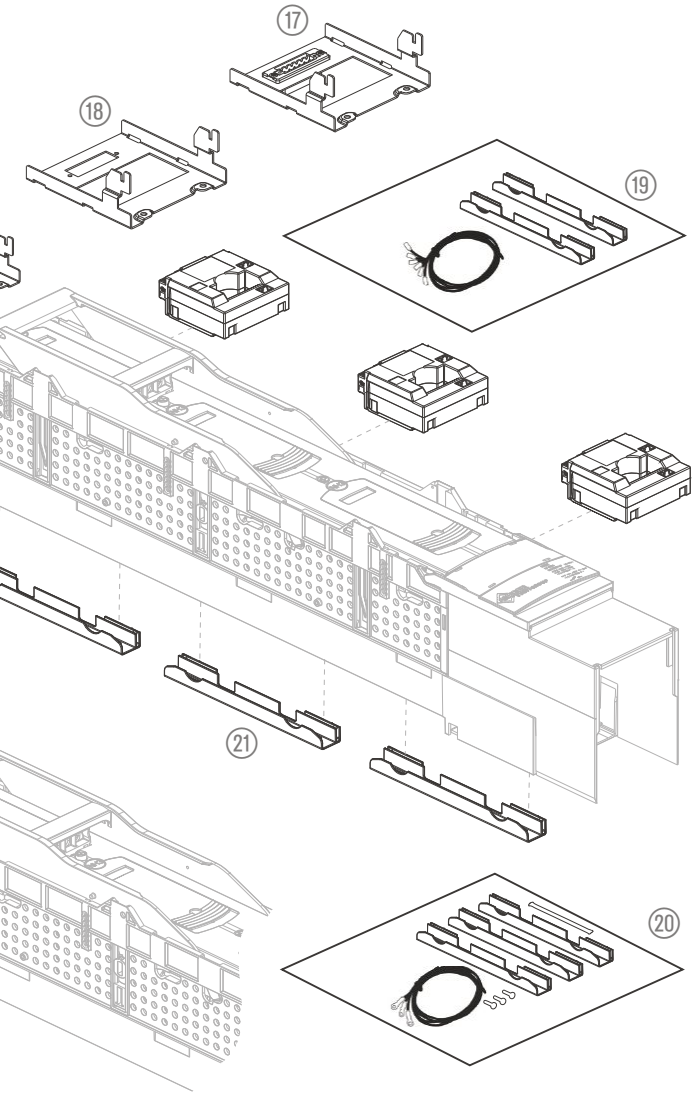


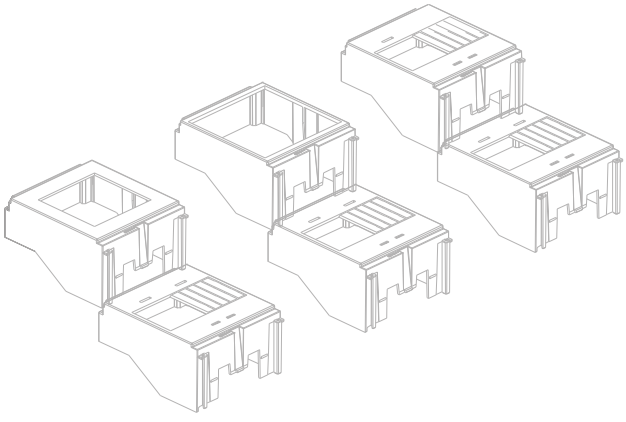
① 36407-0010 Handle cover E³, size 1-3, red, 3 pieces
② 36419-0010 Device carrier, low, with DIN adapter
③ 36356-0010 Designation Identification holder complete, short, size 1, EFEN
④ 36370-0010 Device carrier, low, with 6-pole plug-connection
⑤ 36437-0010 Device carrier E³, size 1 – 3, long, blanking element for adjustment
⑥ 36375-0010 6 microswitches for switch position indication E³, size, 1 – 3
⑦ Electronic fuse-monitoring
⑪ Included in the device (terminal cover)
⑨ 36354-0010 Contact hooks E³, size 1 – 3, 3 pieces
⑩ 36719-0010 Busbar terminal M12x30, 3 pieces
⑪ Upon request
⑫ 36727-0010 Lateral safety cover E³, size 00/185 – 3
⑫ Devices with flush handle
⑭ 36435-0010 E³ terminal cover, extra-long, size 1 – 3
⑮ 36444-0010 E³ connecting kit for 2 x 300 mm², size 1 – 3
⑯ 36410-0010 E³ blanking cover with stud size 1 – 3
⑰ 36409-0010 E³ blanking cover, size 1 – 3
⑱ 36390-0010 E³ universal sideframe 850 mm
⑲ 36331-0010 E³ angle bracket 4 pieces, size 00 – 3
⑳ 36350-0010 E³ clamp, fixed, 50 – 300 sm, 3 pieces, size 1-3
㉑ 36351-0010 E³ clamp, VEST, 35 – 240 rm, 3 pieces, size 1 – 3
㉒ 36353-0010 E³ clamp, complete, 35 – 240 rm, 3 pieces, size 1 – 3
㉓ 36298-0010 V2 MD clamp 240 sm / rm 3 pieces, size 1 – 3
㉔ 36438-0010 Terminal cover, short, E³, size 1 – 3
㉕ 36404-0010 PEN connection, size 1 – 3

ε³ NH Fuse-Switches, vertical design

ε³-NH Fuse-Switch, vertical design,
size 1 – 3
Accessories for current transformers and metering devices



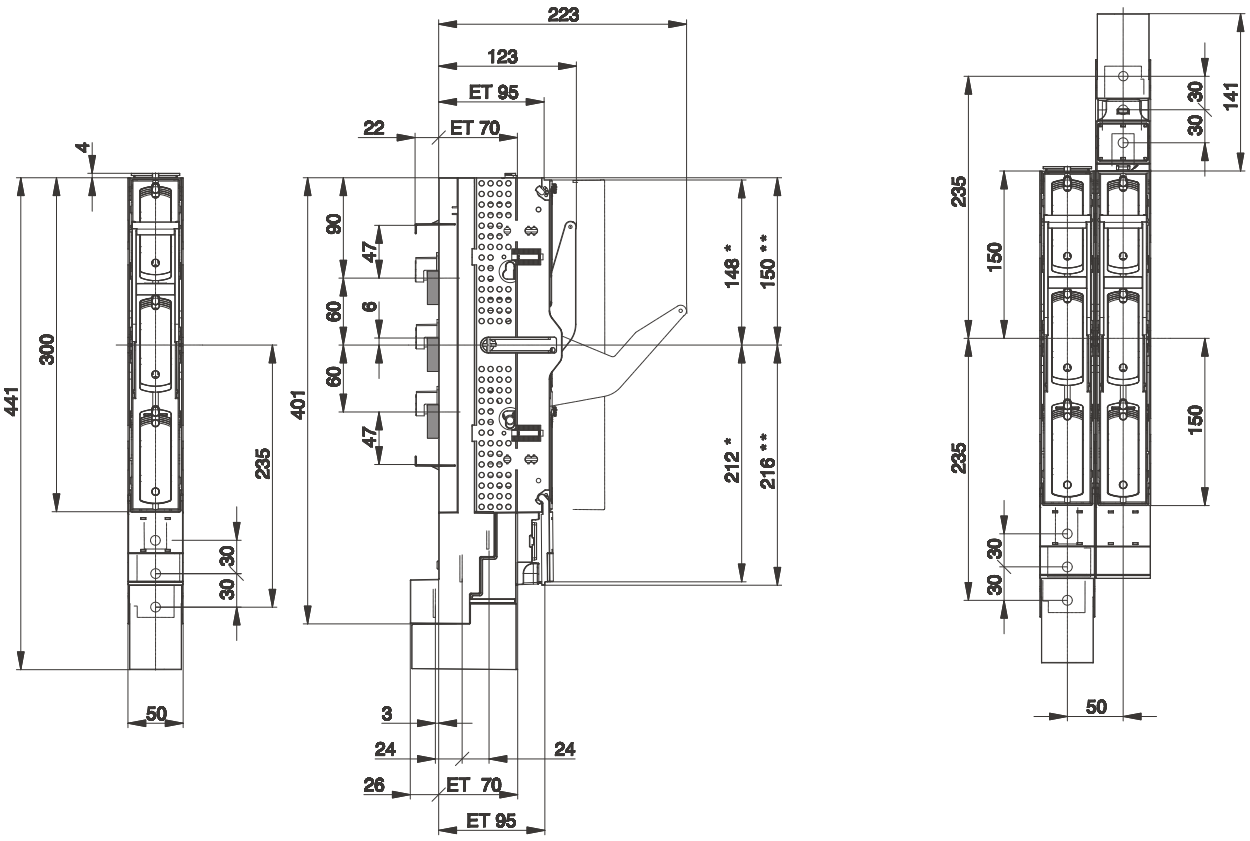




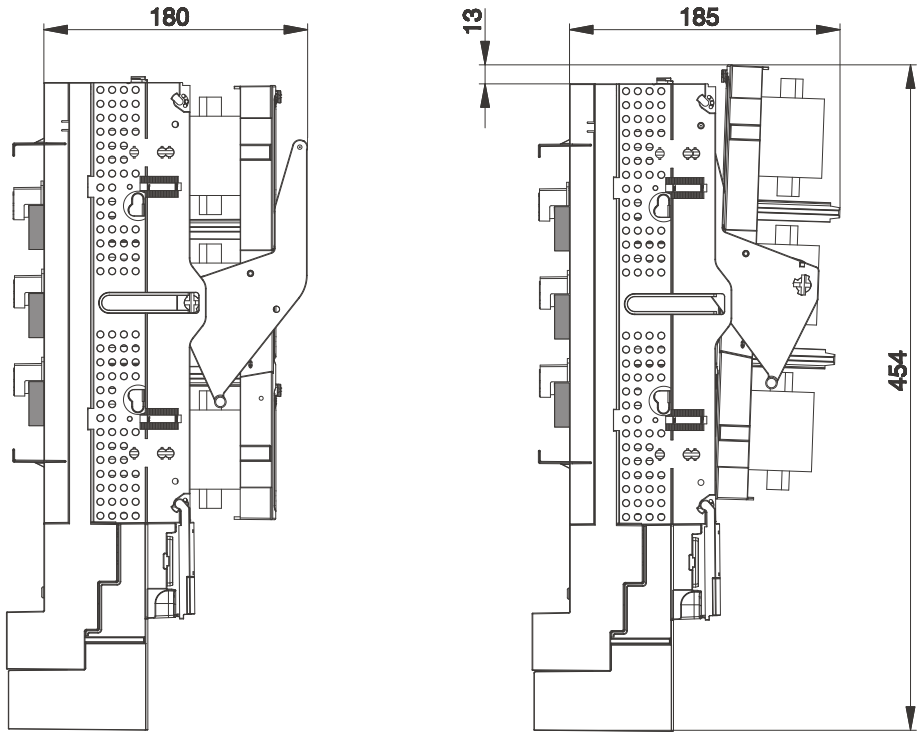
① 36428-0010 Device cover E³, size 1 – 3
② 36371-0010 Device carrier with DIN adapter
③ 36372-0010 Device carrier with DIN adapter, 6-pole plug-connection
④ 36373-0010 Device carrier with DIN adapter with isolation terminal holder
⑤ 36420-0010 Device carrier, low, with isolation terminal holder
⑥ 36421-0010 Device carrier, long, with DIN adapter
⑦ 36374-0010 Device carrier with 2 DIN adapters with isolation terminal holder
⑧ EM multifunctional metering devices
⑨ EM clip-on modules
⑩ 36437-0010 Device carrier E³, long, blanking element for adjustment, size 1 – 3
⑪ 36422-0010 Device carrier E³, long, 96 x 96 mm, size 1 – 3
⑫ 36383-0010 Device carrier E³, long, 72 x 72 mm, size 1 – 3
⑫ 36425-0010 Device carrier E³, short, blanking element, size 1 – 3
⑭ 36424-0010 Device carrier E³, short, 72 x 96 mm, size 1 – 3
⑮ 36426-0010 Device carrier E³, short, 1-phase, size 1 – 3
⑯ 36427-0010 Device carrier E³, short, 3-phase, size 1 – 3
⑰ 36370-0010 Device carrier E³, low, with 6-pole plug
⑱ 36419-0010 Device carrier E³, low, with DIN adapter
⑲ 36429-0010 Wiring kit, 1-phase, for current transformers
⑳ 36431-0010 Wiring kit for voltage metering
㉑ 36382-0010 E³ clip-on cable holders, size 1 – 3

e³ NH Fuse-Switches, vertical design
Size 00/60

3-pole switching with long terminal cover (ARA)



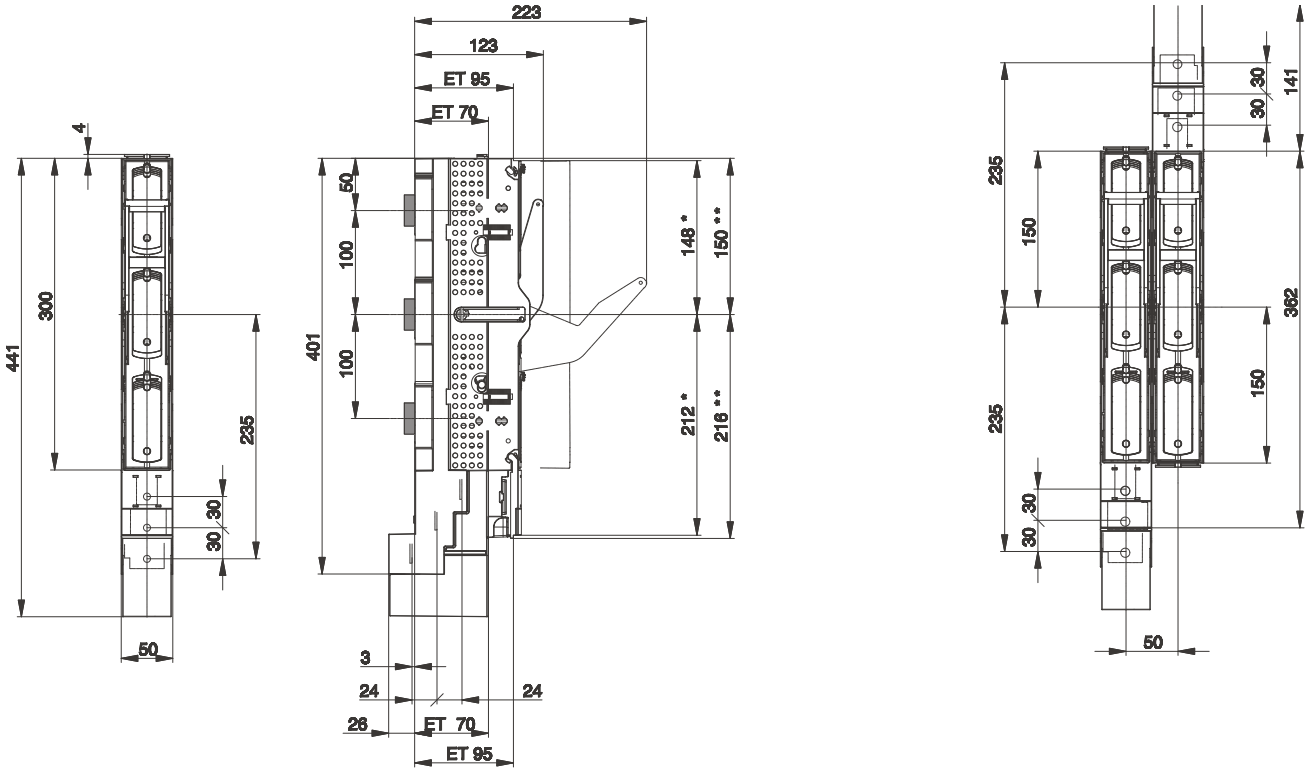
Park position



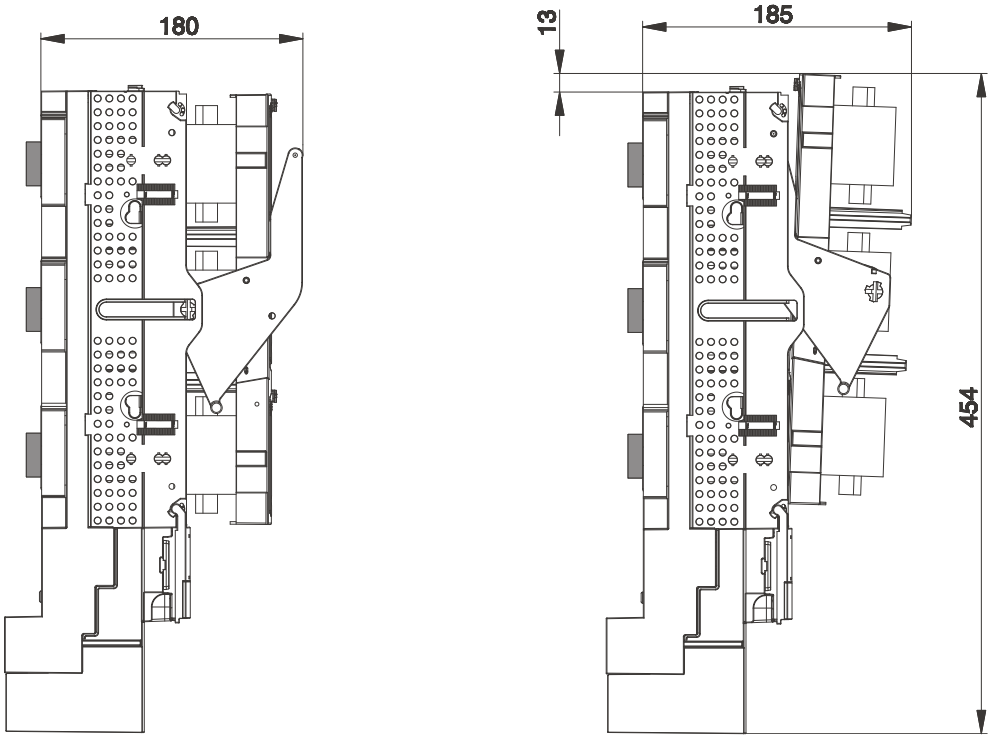
Cut-out dimensions ET 95 = * dimensions + 1 mm
Cut-out dimensions ET 70 = ** dimensions + 1 mm
ET = installation depth of the cover

ε³ NH Fuse-Switches, vertical design
Size 00/100

3-pole switching with long terminal cover (ARA)

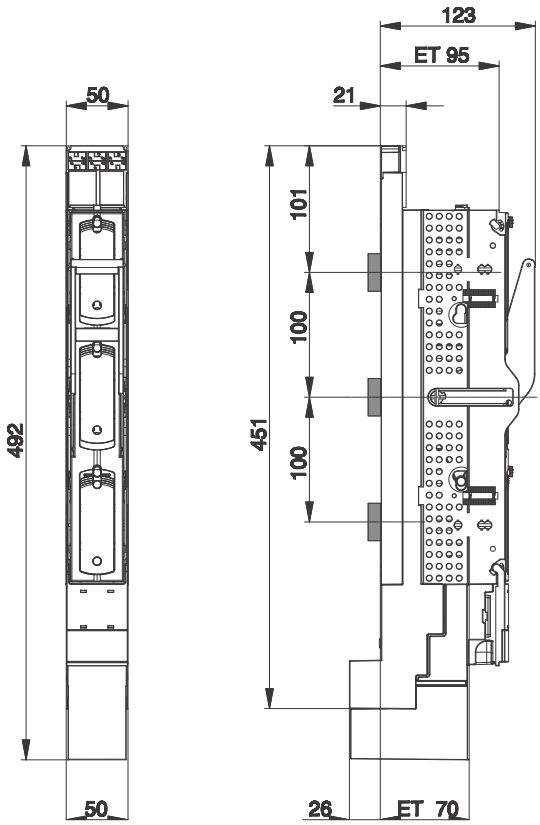


Park position

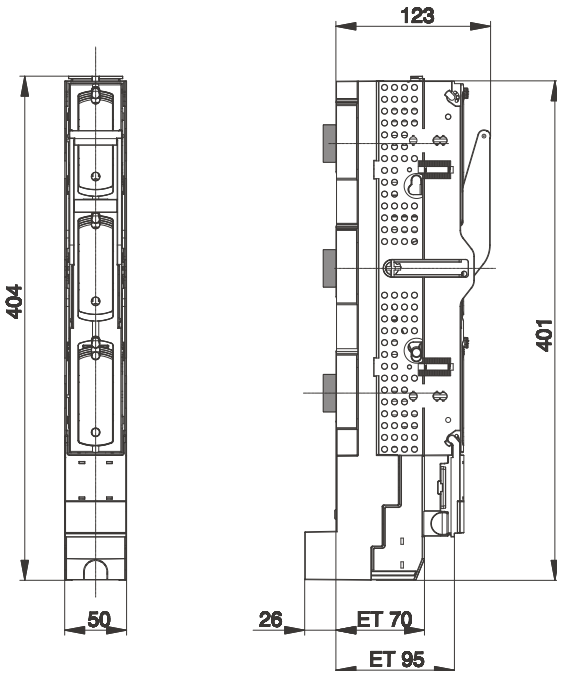


e³ NH Fuse-Switches, vertical design
Size 00/100

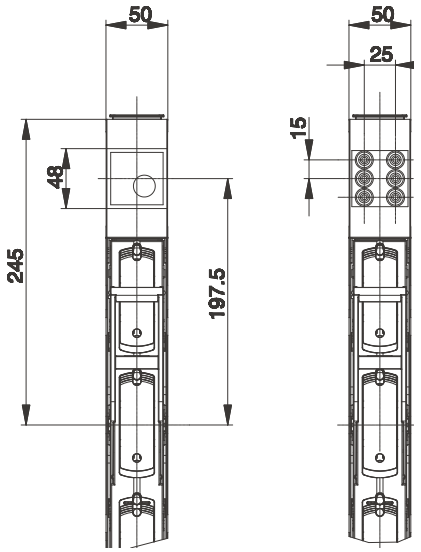
3-pole switching with current transformer



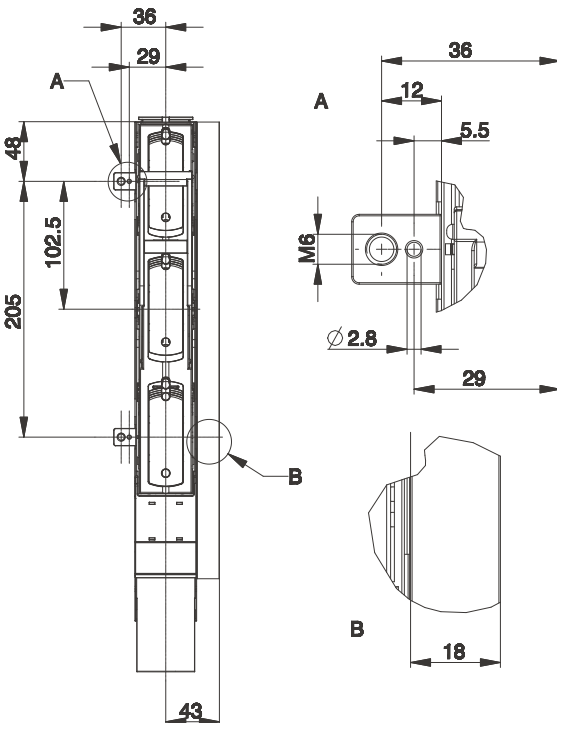
3-pole switching with standard terminal cover (ARA)



Device carrier, short



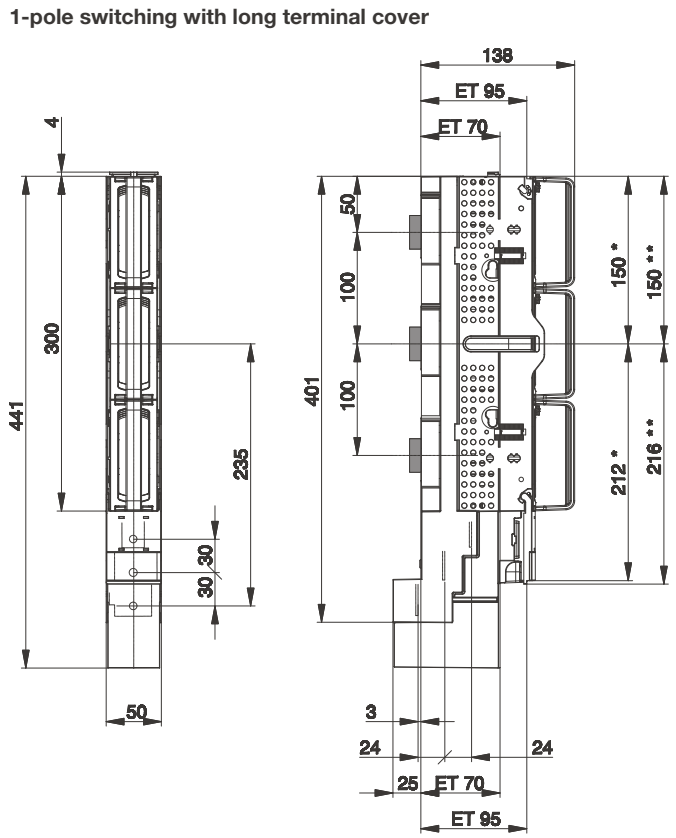
Angle bracket and sideframe

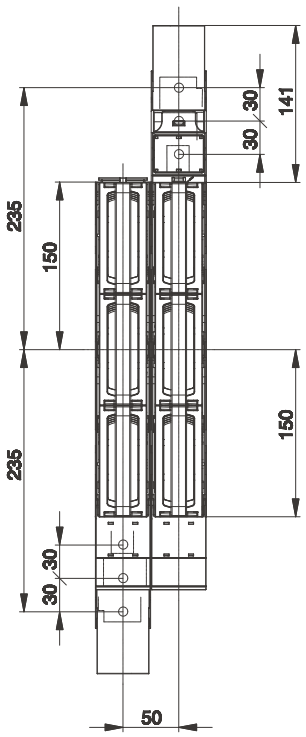


Cut-out dimensions ET 95 = ** dimensions + 1 mm
Cut-out dimensions ET 70 = ** dimensions + 1 mm
ET = installation depth of the cover

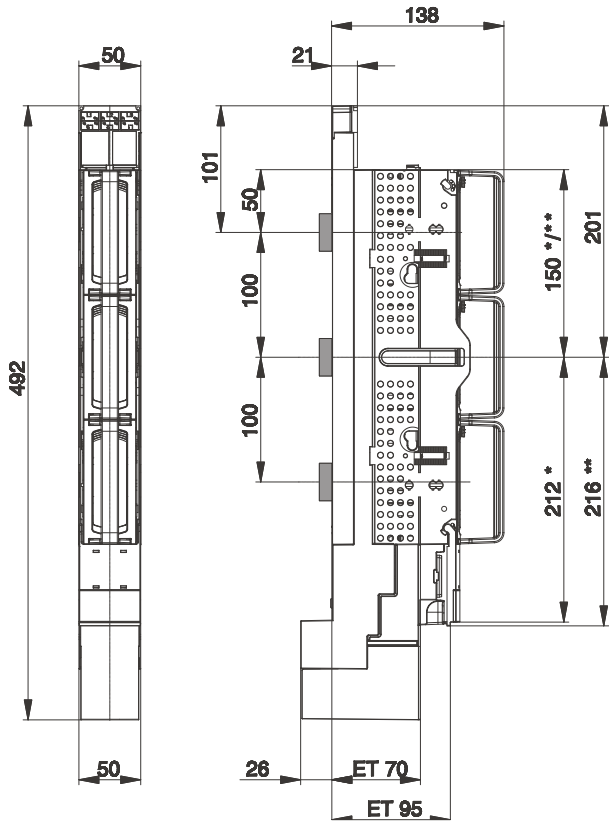
ɛ³ NH Fuse-Switches, vertical design
Size 00/100

1-pole switching with long terminal cover

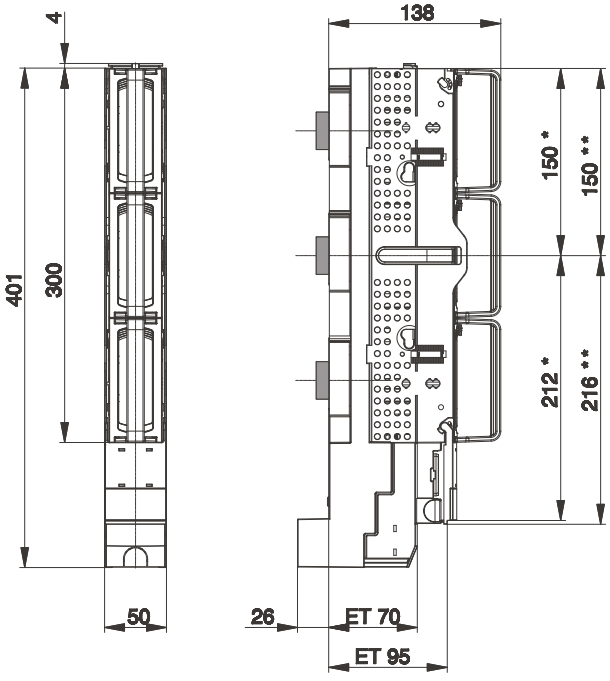




1-pole switching with current transformer



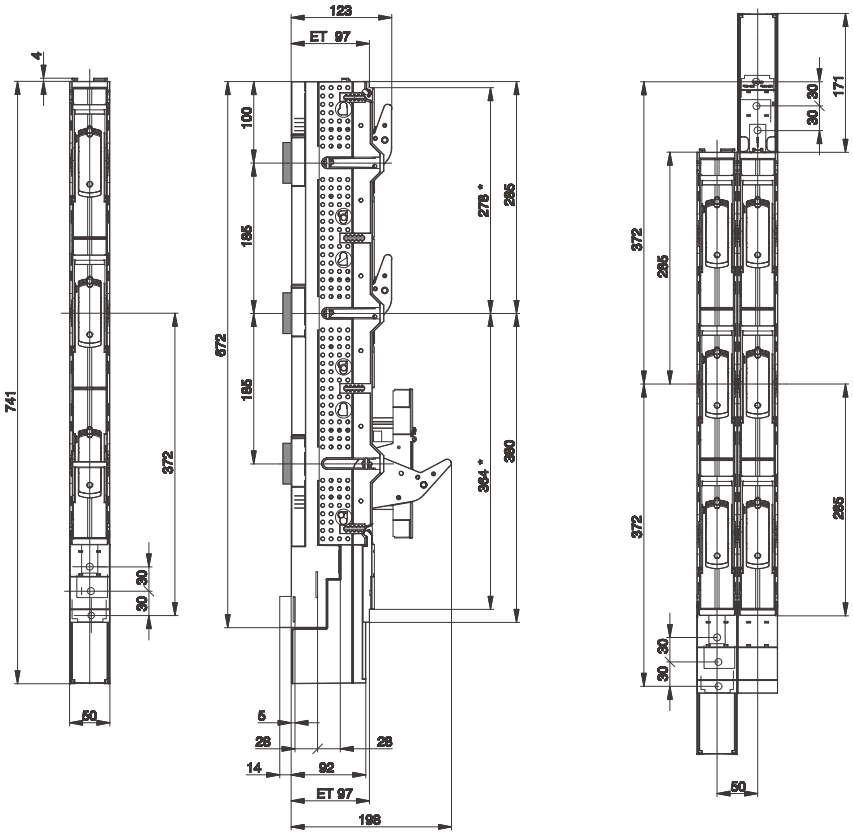
1-pole switching with standard terminal cover



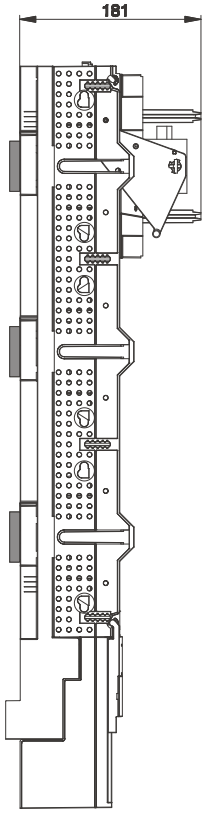
Cut-out dimensions ET 95 = ** dimensions + 1 mm
Cut-out dimensions ET 70 = ** dimensions + 1 mm
ET = installation depth of the cover

e³ NH Fuse-Switches, vertical design
Size 00/185

1-pole switching with standard terminal cover



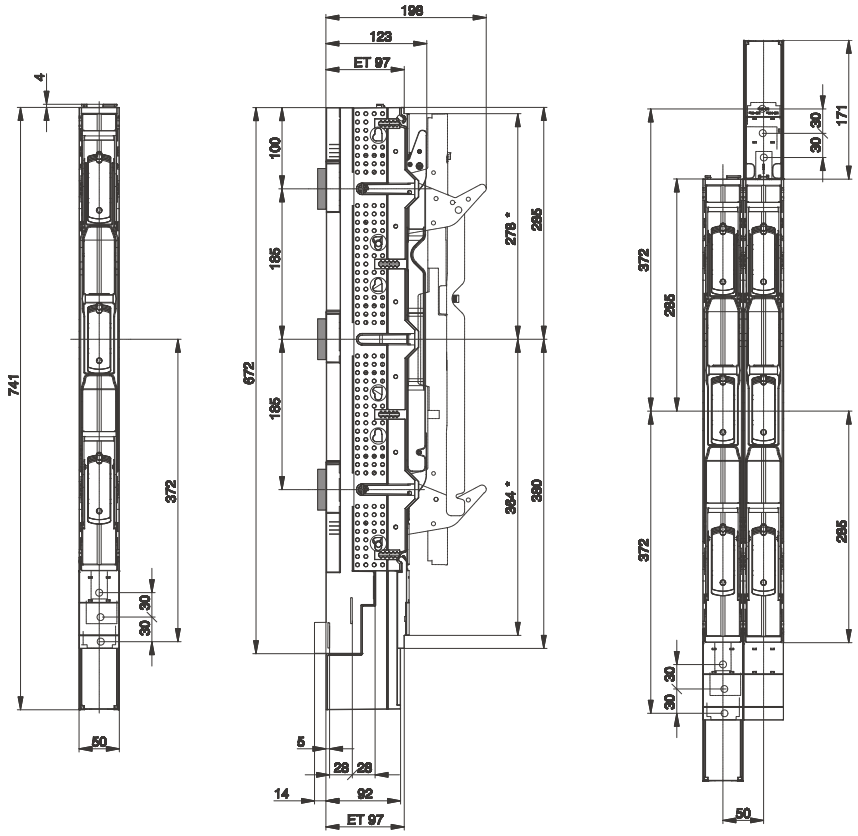
Park position



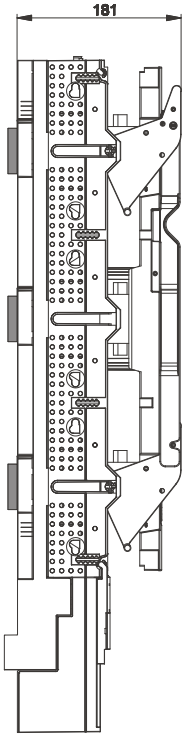
Cut-out dimensions ET 97 = * dimensions + 1 mm
ET = installation depth of the cover

NH Fuse-Switches, vertical design
Size 00/185

3-pole switching with standard terminal cover



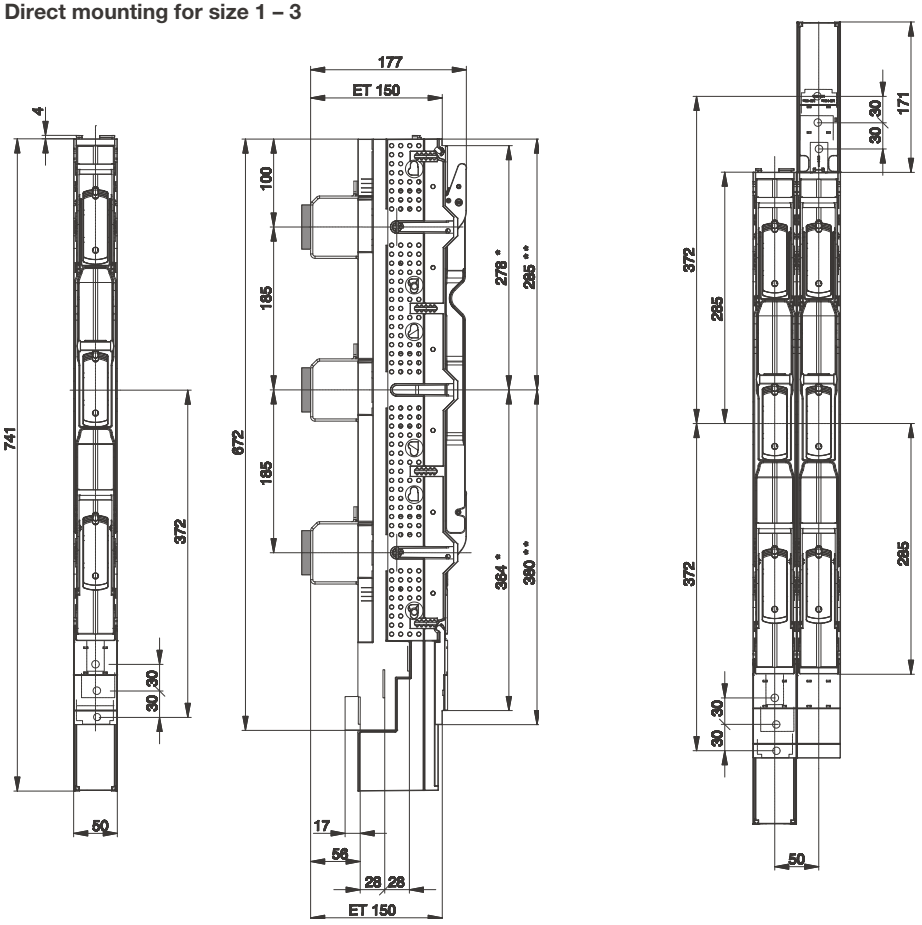
Park position



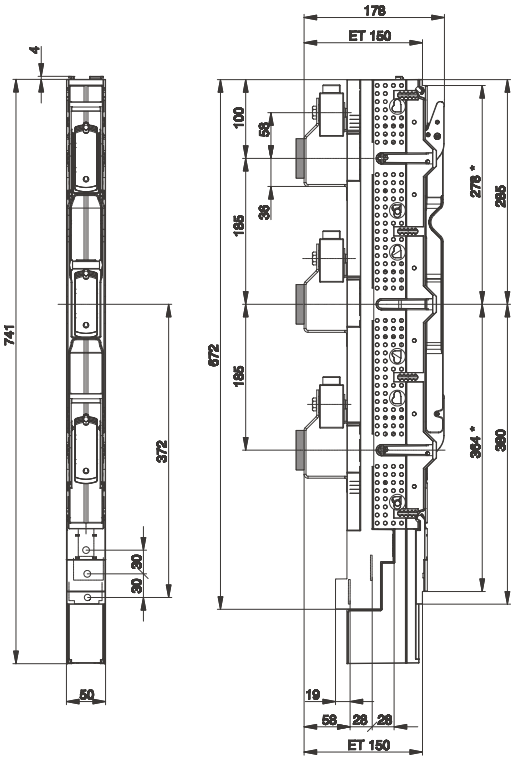
Cut-out dimensions ET 97 = * dimensions + 1 mm
ET = installation depth of the cover

e³ NH Fuse-Switches, vertical design
Size 00/185

Direct mounting for size 1 – 3



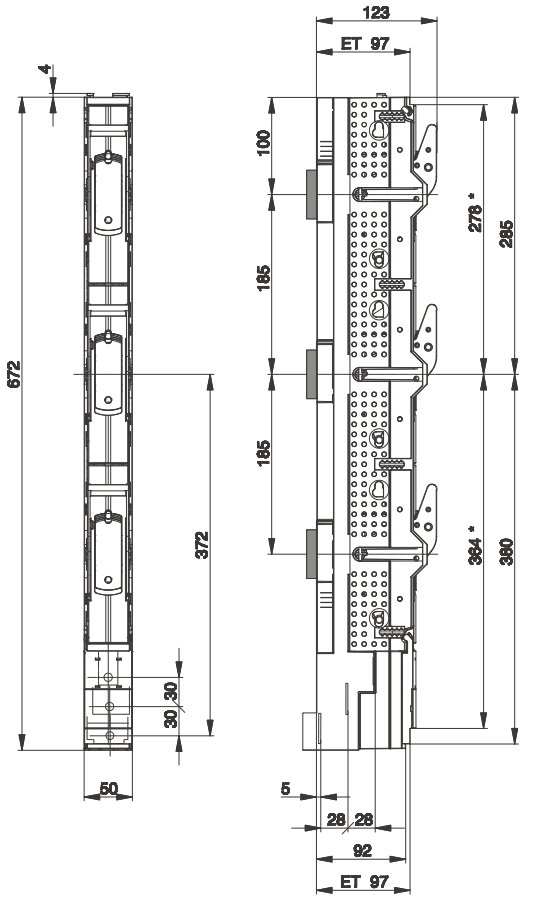
Direct mounting for size 1 – 3 with current transformer



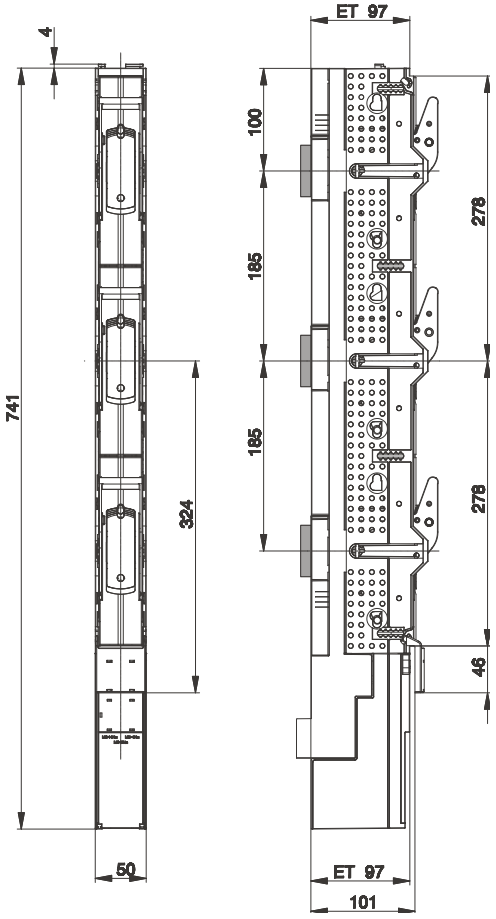
Cut-out dimensions ET 150 = * dimensions + 1 mm
ET = installation depth of the cover

NH Fuse-Switches, vertical design
Size 00/185

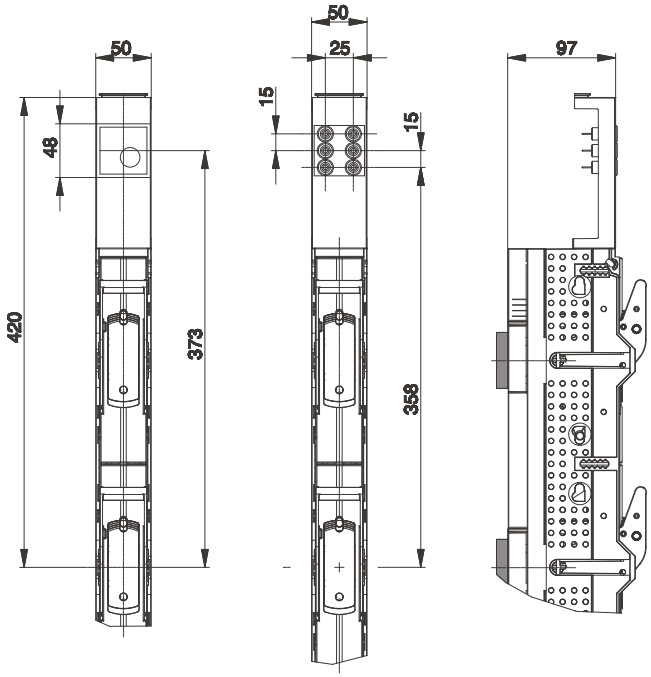
Terminal cover, short



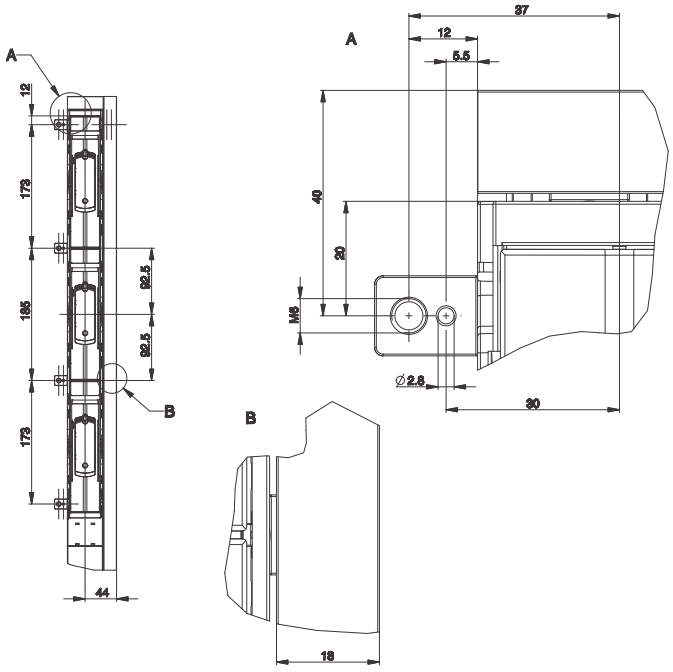
Carrier for identification label, short



Device carrier, long



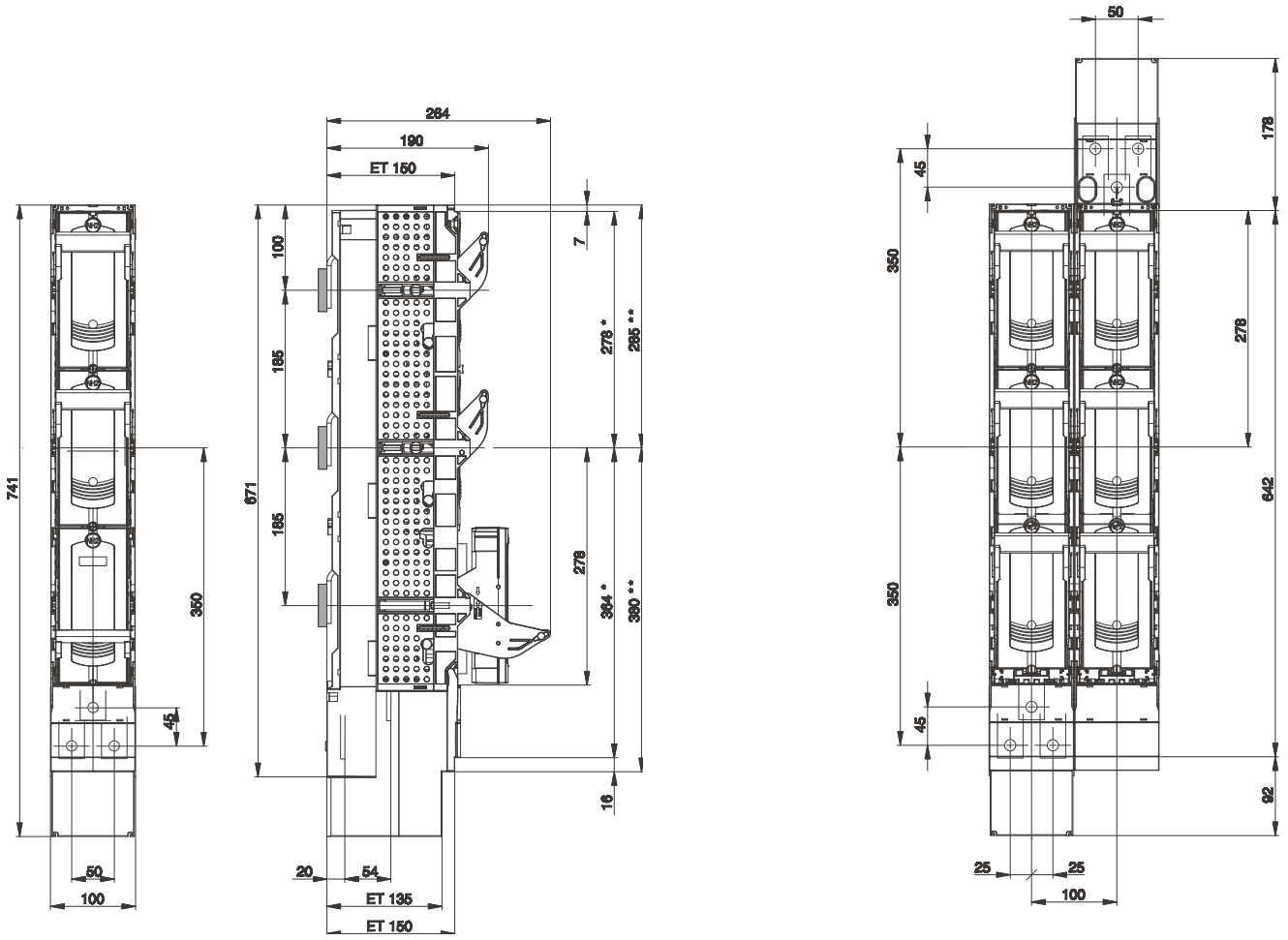
Angle bracket and sideframe



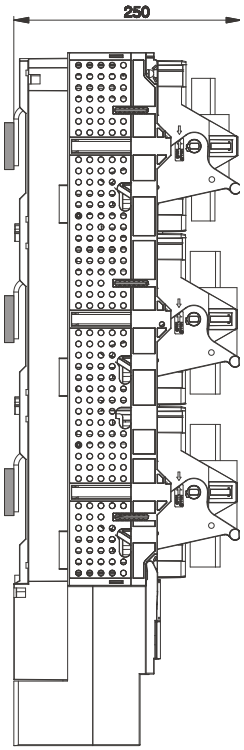
Cut-out dimensions ET 97 = * dimensions + 1 mm
ET = installation depth of the cover

e³ NH Fuse-Switches, vertical design
Size 1 – 3

1-pole switching with standard terminal cover



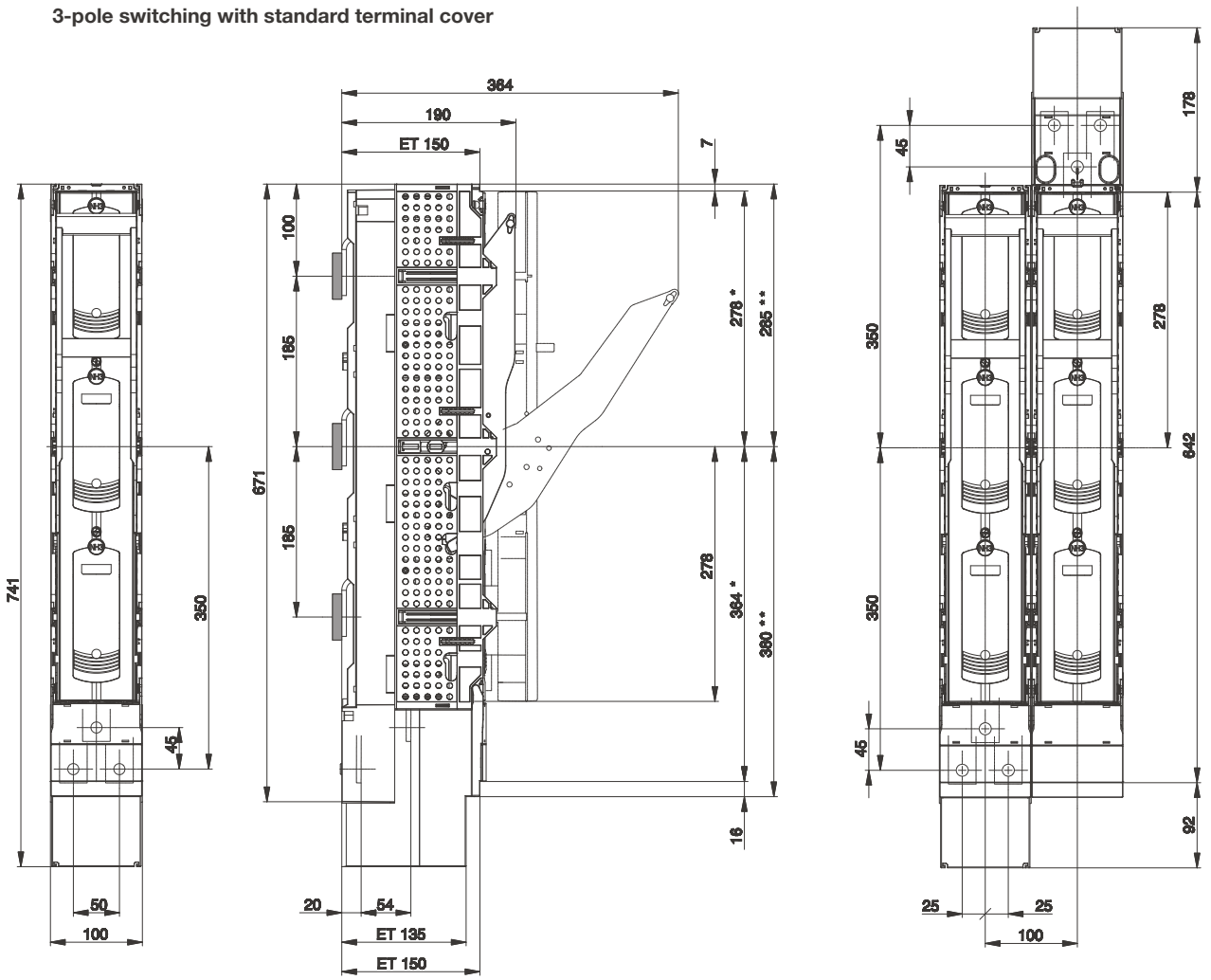
Park position



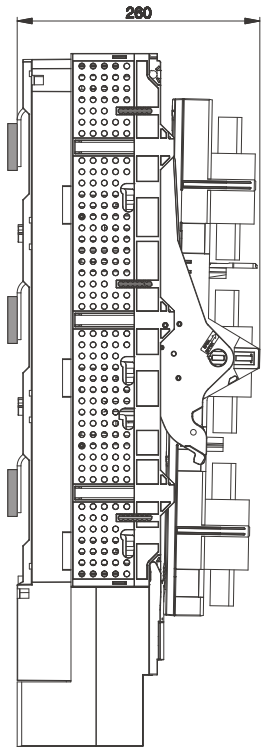
Cut-out dimensions ET 150 = * dimensions + 1 mm
Cut-out dimensions ET 120 - 145 = ** dimensions + 1 mm
ET = installation depth of the cover

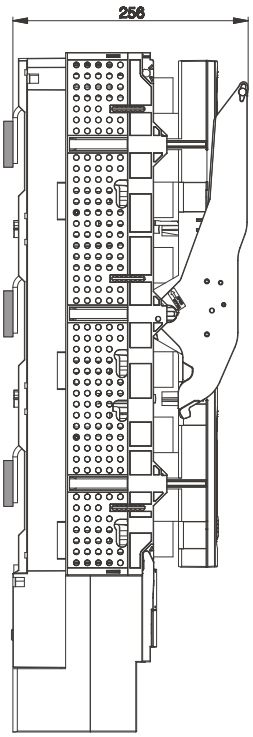
ϵ³ NH Fuse-Switches, vertical design
Size 1 – 3

3-pole switching with standard terminal cover



Park position

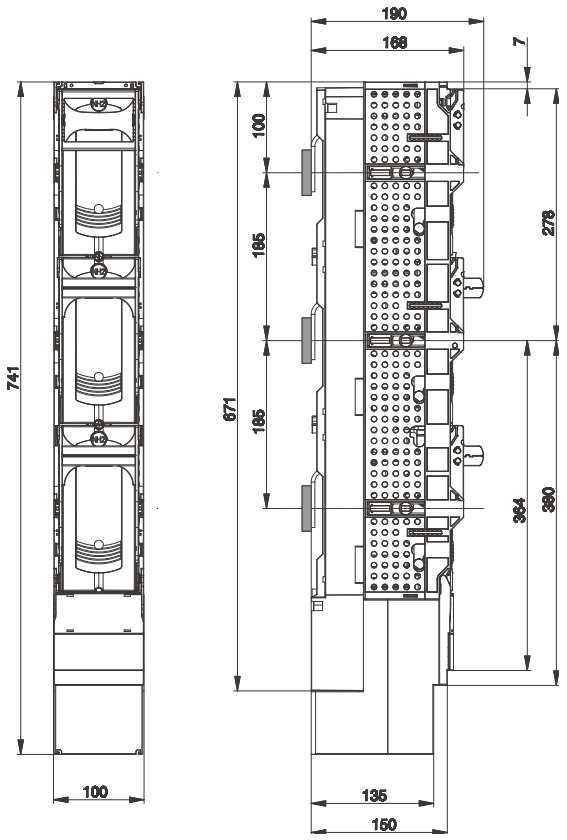




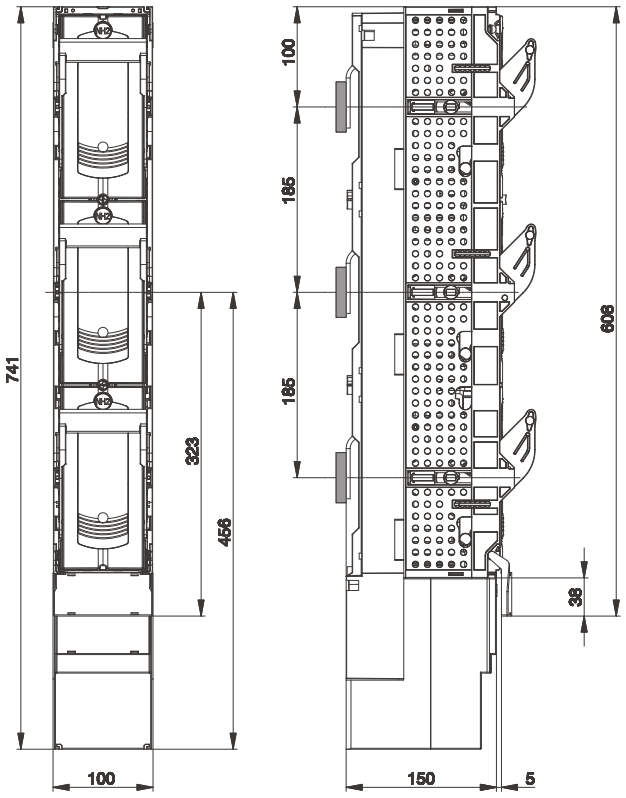
Cut-out dimensions ET 150 = * dimensions + 1 mm
Cut-out dimensions ET 120 - 145 = ** dimensions + 1 mm
ET = installation depth of the cover

e³ NH Fuse-Switches, vertical design
Special versions

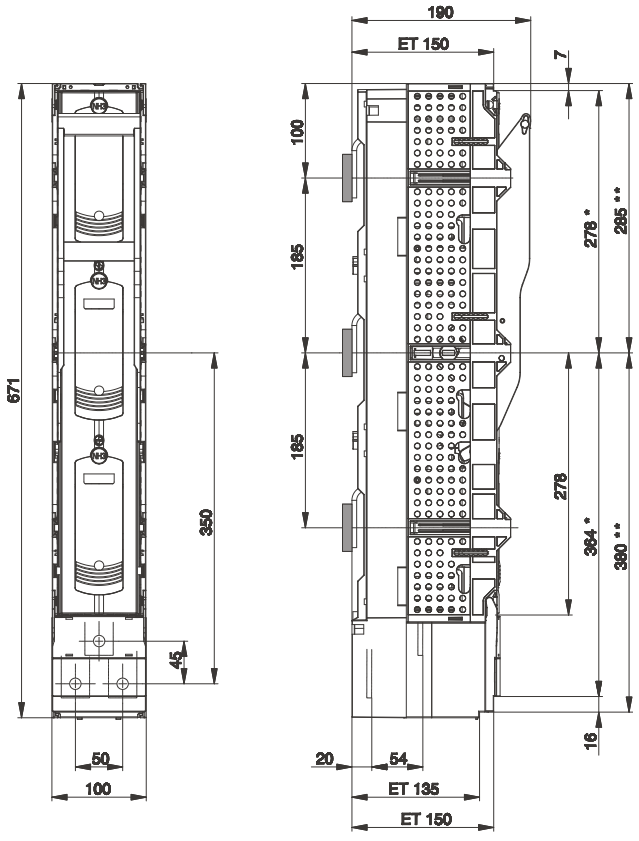
Low installation depth



Carrier for identification label, short



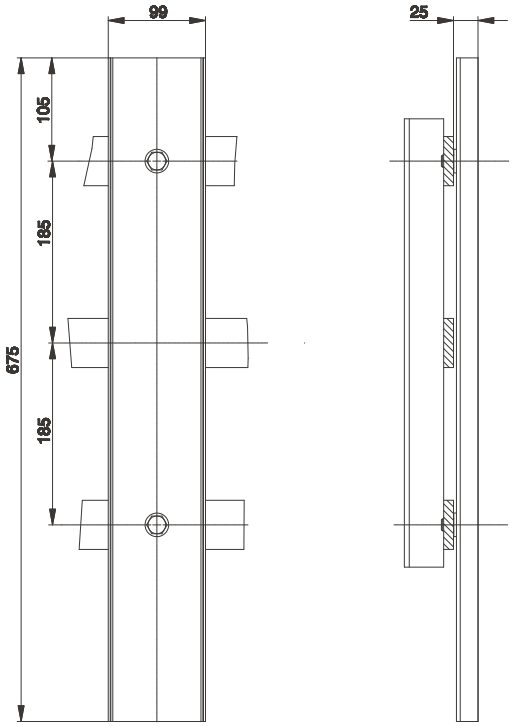
Terminal cover, short



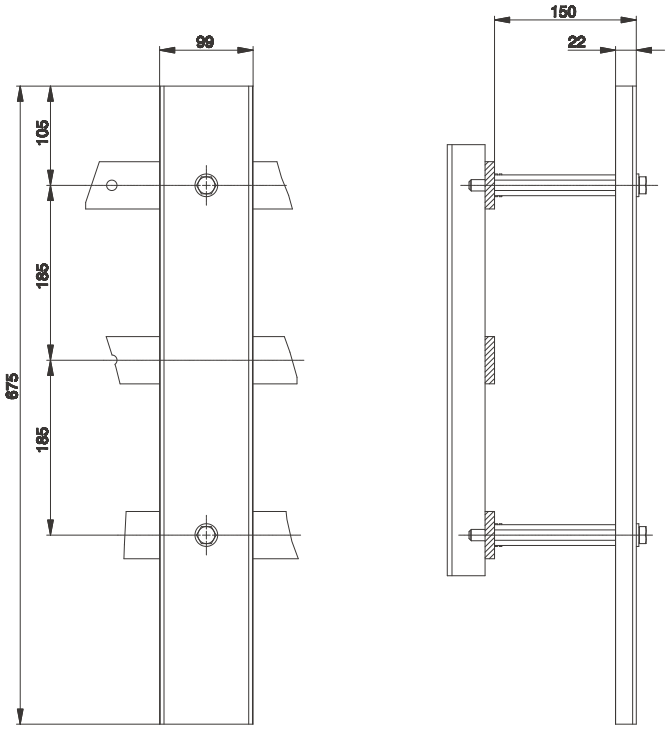
Cut-out dimensions ET 150 = * dimensions + 1 mm
Cut-out dimensions ET 120 - 145 = ** dimensions + 1 mm
ET = installation depth of the cover

ϵ³ NH Fuse-Switches, vertical design
Blanking covers, size 1 – 3

Cover mounted directly onto the busbar
36409-0010

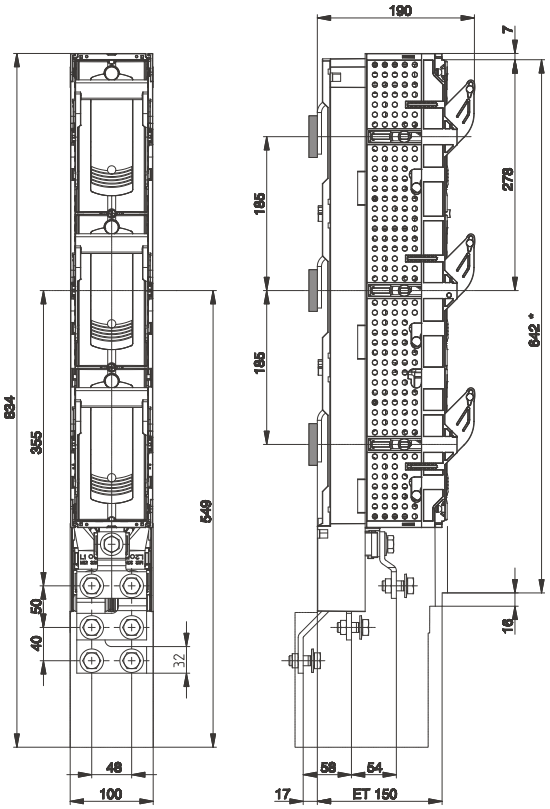


Cover with spacer stud for elevated mounting
36410-0010

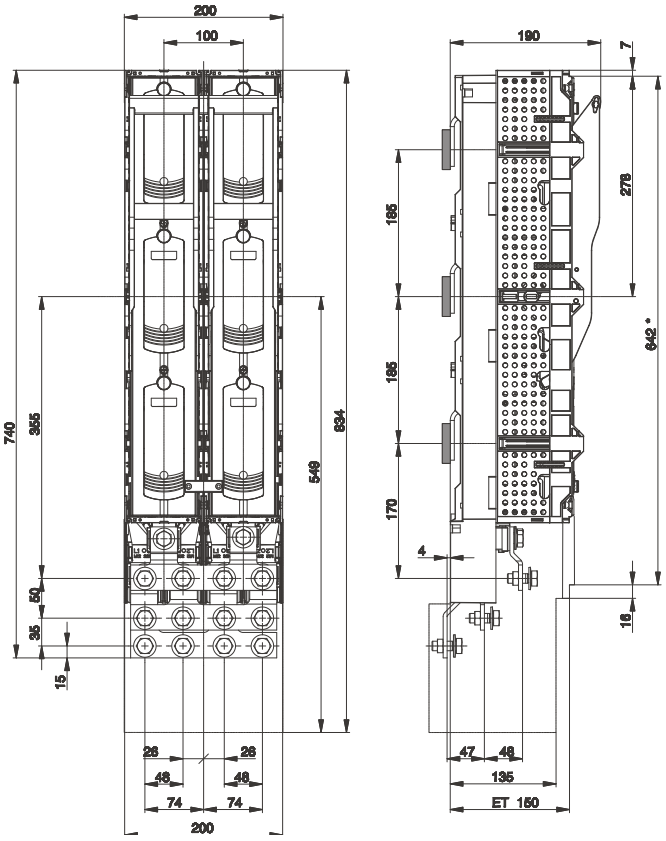


e³ NH Fuse-Switches, vertical design 1000 and 2000 A

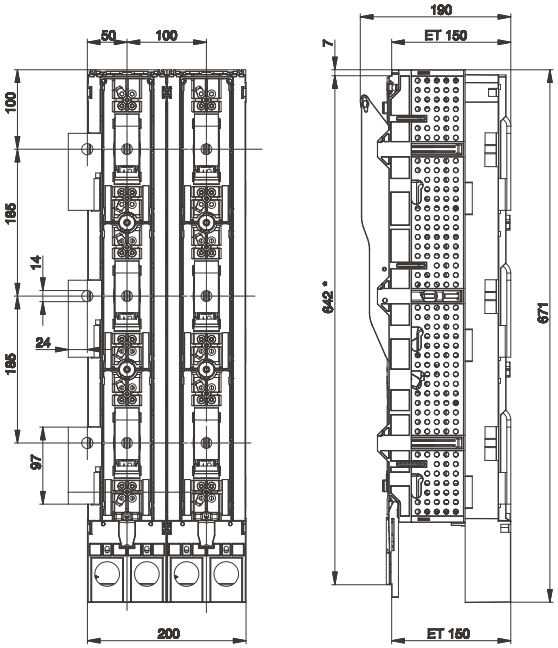
Feed switch 1000 A with fixed solid-link



Feed switch 1000 A with fixed solid-link, parallel switching



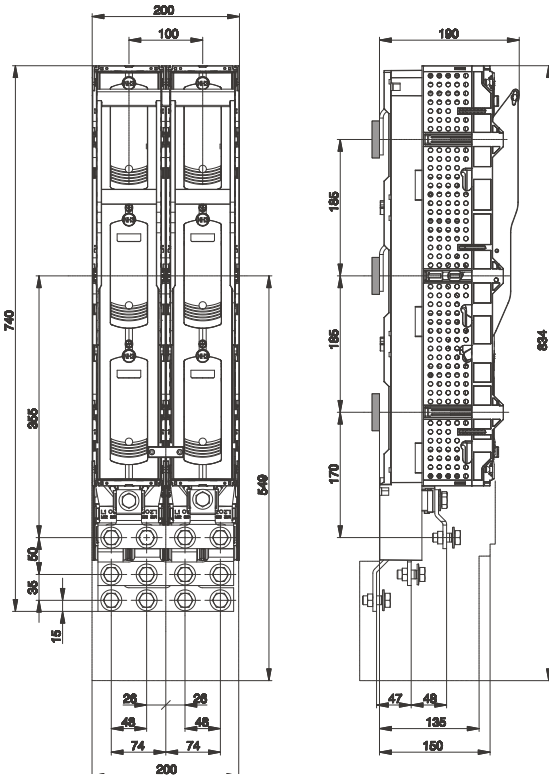
Feed switch 1000 A with fixed solid-link, parallel switching, terminal on the left-hand side



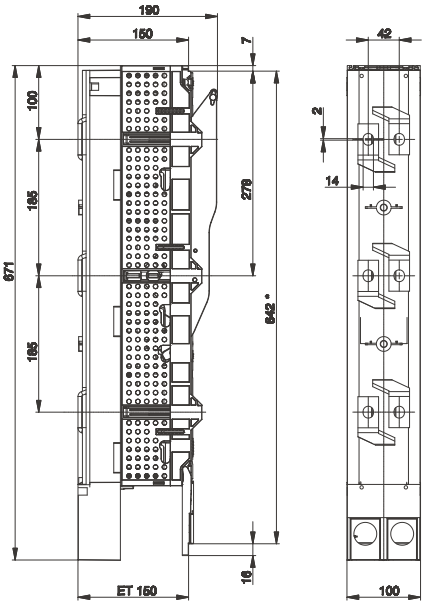
Cut-out dimensions ET 150 = * dimensions + 1 mm
Cut-out dimensions ET 120 - 145 = ** dimensions + 1 mm
ET = installation depth of the cover

ɛ³ NH Fuse-Switches, vertical design
Various designs

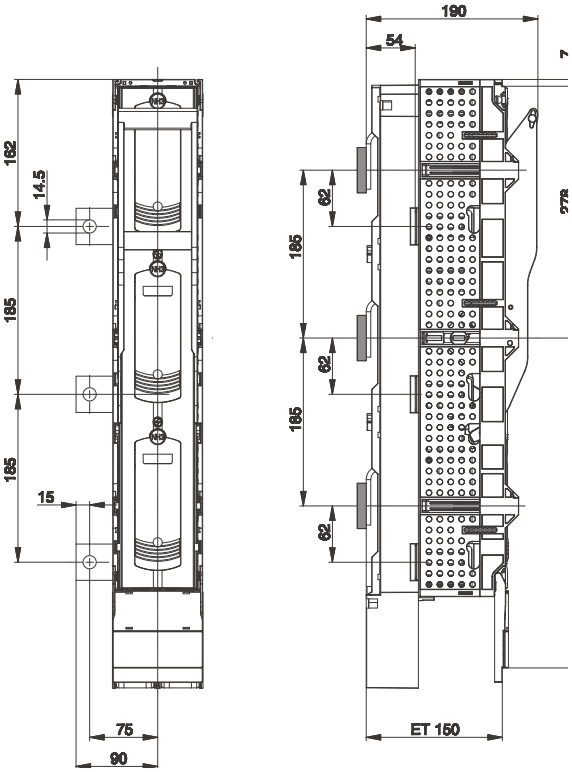
NH Fuse-Switch, vertical design, parallel switching



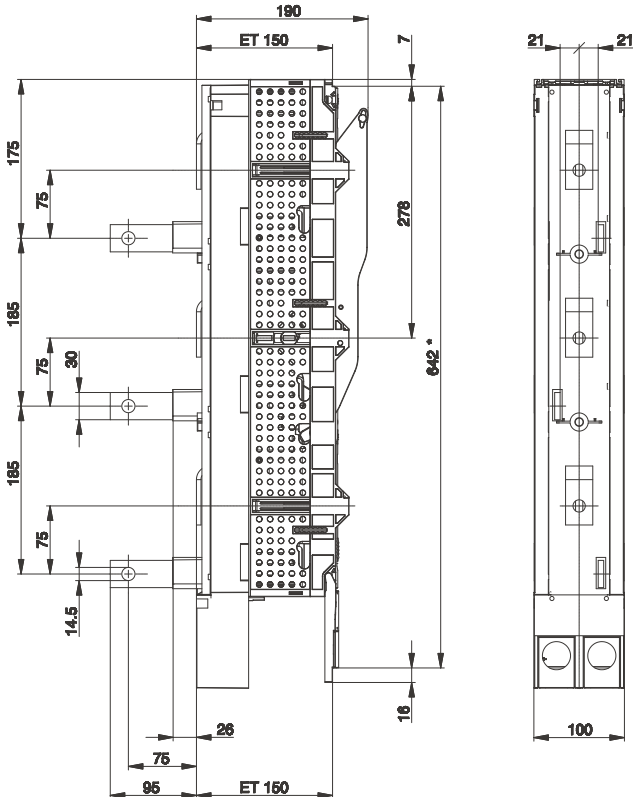
Internal terminal 630/1000 A



Lateral terminal 630/1000 A

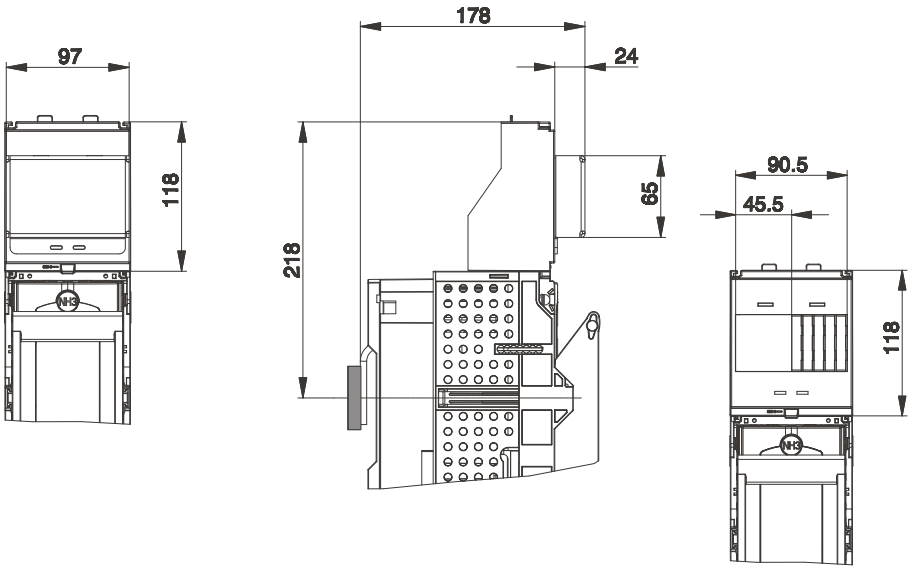


Terminal on the rear side 630/1000 A

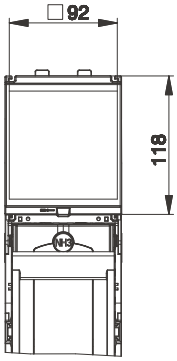


e³ NH Fuse-Switches, vertical design
Accessories, size 1 – 3

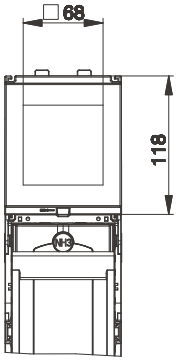
Device cover 36428-0010
Sealing kit 36434-0010



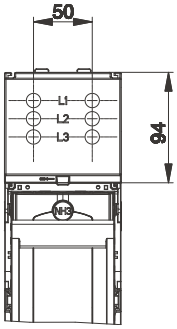
Device carrier, long
36422-0010



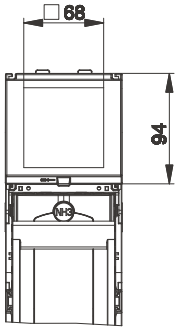
Device carrier, long
36383-0010



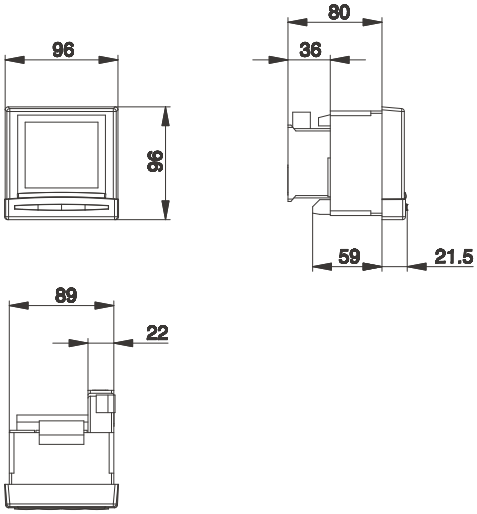
Device carrier, short
36427-0010



Device carrier, short
36424-0010



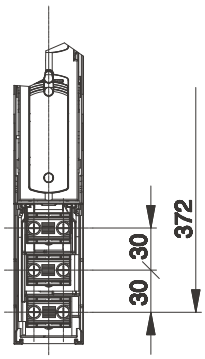
Multi-metering device
Plug-in module



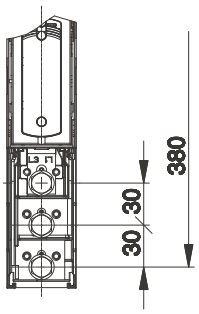
EFEN GmbH · Technical changes reserved· Released: April 2015

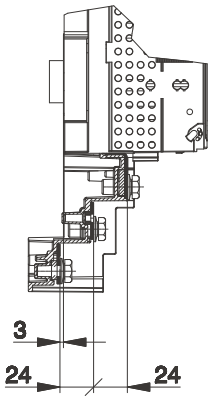
ɛ³ NH Fuse-Switches, vertical design
Terminal connection, size 00, 60/100/185 mm

Terminal connection, size 00, 60/100 mm

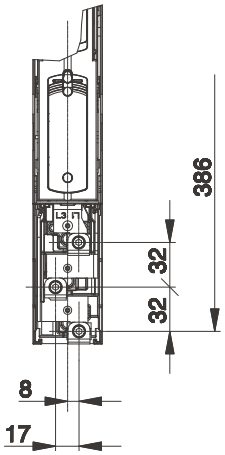


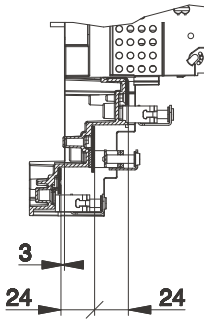
Terminal with pressure plates and contact prism, max. 95 mm²





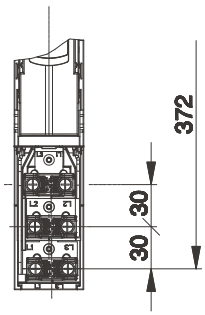
Screw terminal M8 x 14



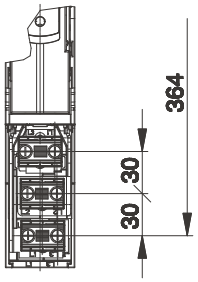


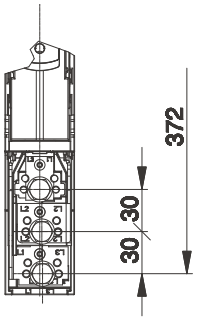
Box clamp, max. 95 mm²

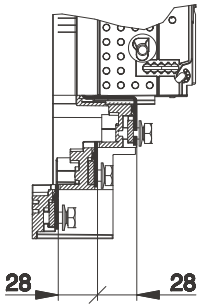
Terminal connection, size 00, 185 mm



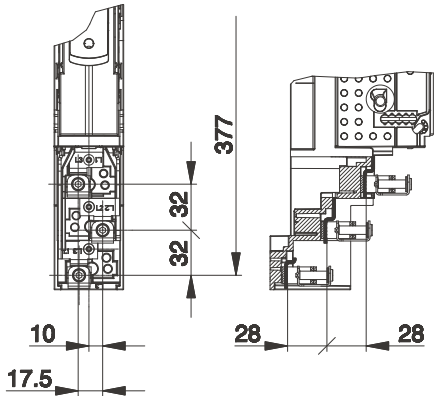
Terminal with pressure plates and contact prism, max. 150 mm²







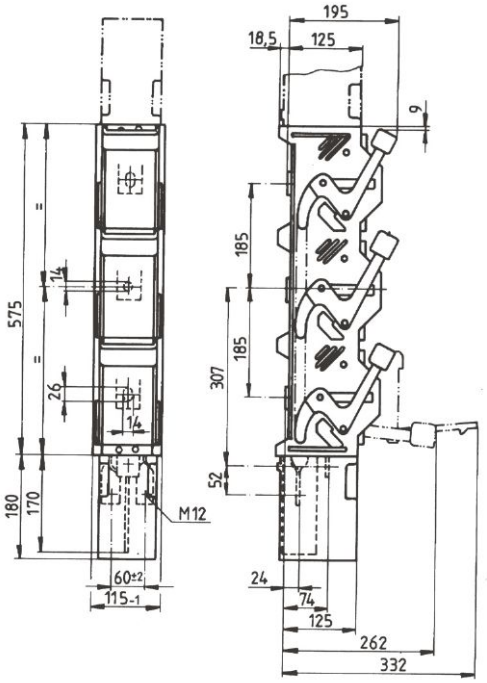
Screw terminal M8 x 14



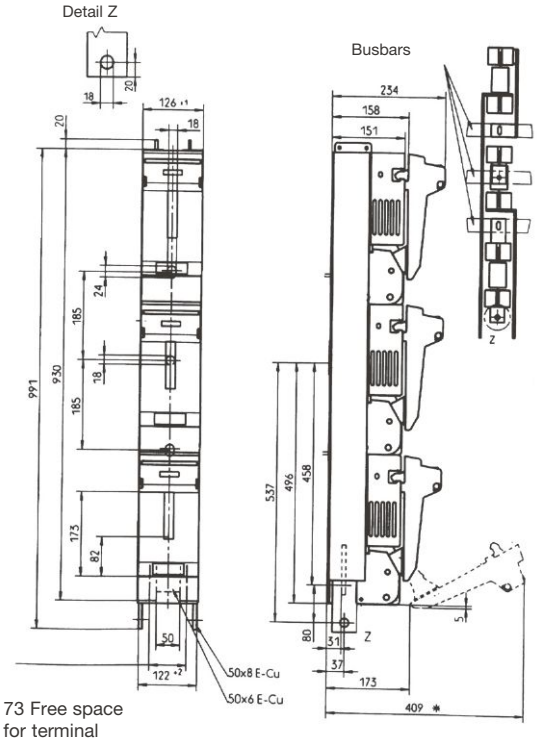
Box clamp, max. 95 mm²

NH Fuse-Switches, vertical design

NH Fuse-Switch, vertical design, size 3: 630 A



NH Fuse-Switch, vertical design, size 4a: 1250/1600 A

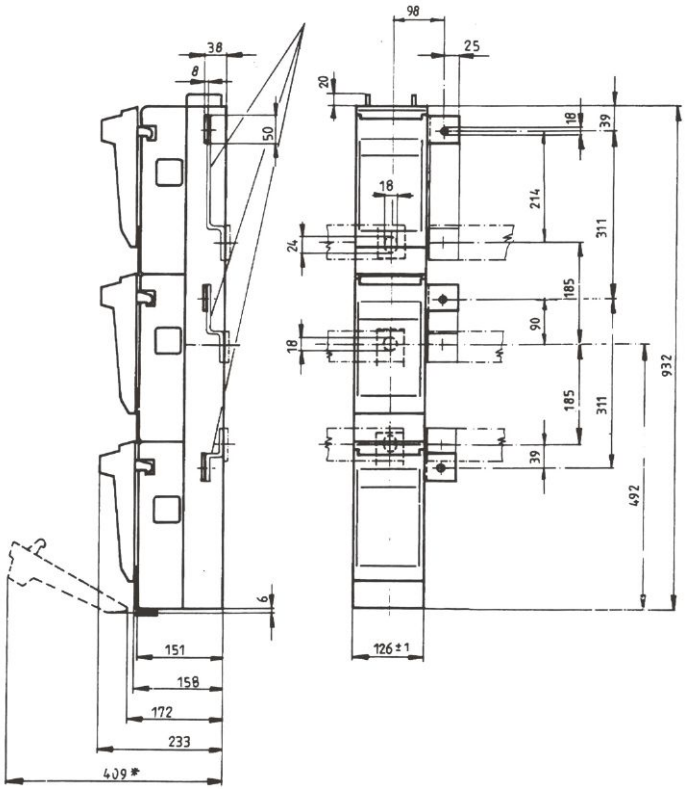


73 Free space for terminal

* required for removal of 425 mm lid

NH Fuse-Switch, coupling unit, size 4a: 1250 A

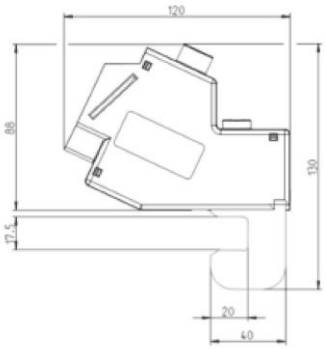
Contact angles to be manufactured by customer

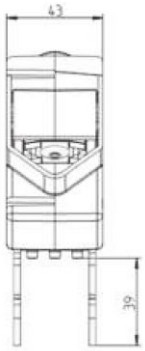


NH Fuse-Switches, vertical design, for IP2X applications

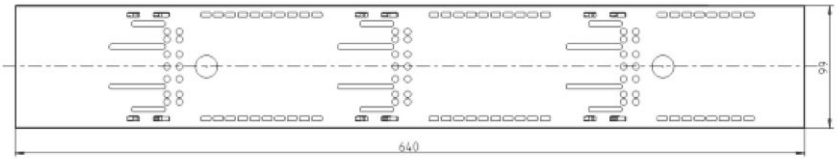
For NH Fuse-Switches, vertical design, according to VDE 0660 T-107 / IEC/EN 60947-1/-3

Suitable for NH fuse-links acc. to DIN 43210/1				Size 00	Size 1	Size 2	Size 3
Rated operating current	400 V	I_e	A	160	250	400	630
	500 V			160	250	400	630
	690 V			160	200	315	500
Conventional free-air thermic current		I_{th}	A	220	250	400	630
Rated operating voltage		U_e	V	AC 690	AC 690	AC 690	AC 690
Rated insulation voltage		U_i	V	1000	1000	1000	1000
Rated impulse withstand-current		U_{imp}	kV	8	12	12	12
Conditional rated short-circuit current (when protected by NH fuse-links)	400 V		kA_{eff}	100	120	120	120
	500 V			100	120	120	120
	690 V			100	100	100	100
Utilization category VDE 0660 T107 / EN/IEC 60947-3	400 V			AC-23B	AC-23B	AC-23B	AC-23B
	500 V			AC-22B	AC-22B	AC-22B	AC-22B
	690 V			AC-21B	AC-21B	AC-21B	AC-21B
Mechanical service life		Cycles		1400	1400	800	800
Electrical service life		Cycles		200	200	200	200
Permissible ambient temperature			°C	-25 to +55	-25 to +55	-25 to +55	-25 to +55
Degree of prot. acc. to DIN/EN 60529 / VDE 0470 T1			IP	30	30	30	30
Max. permissible power dissipation of the NH fuse-link		P_V	W	12	23	34	48
Total power dissipation (device without fuse-link)		P_V	W	22	22	45	89
Pollution degree		-	-	3	3	3	3
Overvoltage category		-	-	IV	IV	IV	IV
Rated frequency		-	Hz	50-60	50-60	50-60	50-60
Weight without NH fuse-link		-	kg	2,00	4,71	5,41	6,10



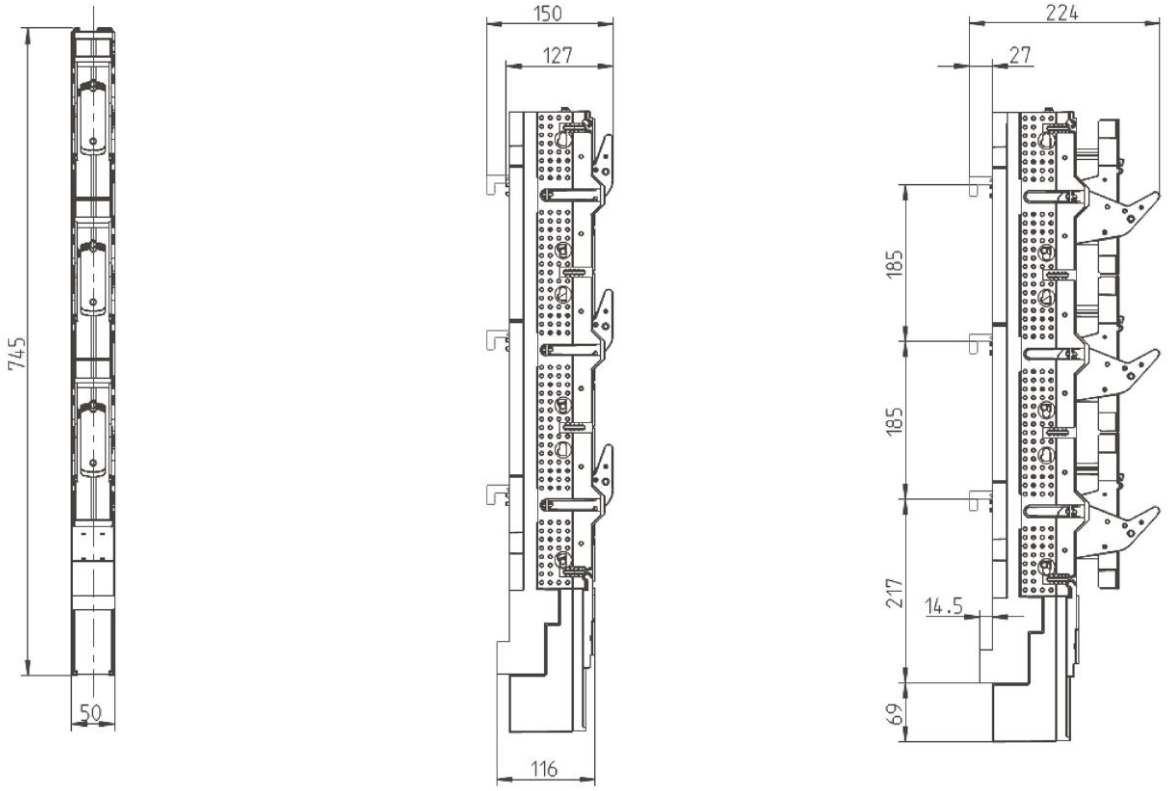




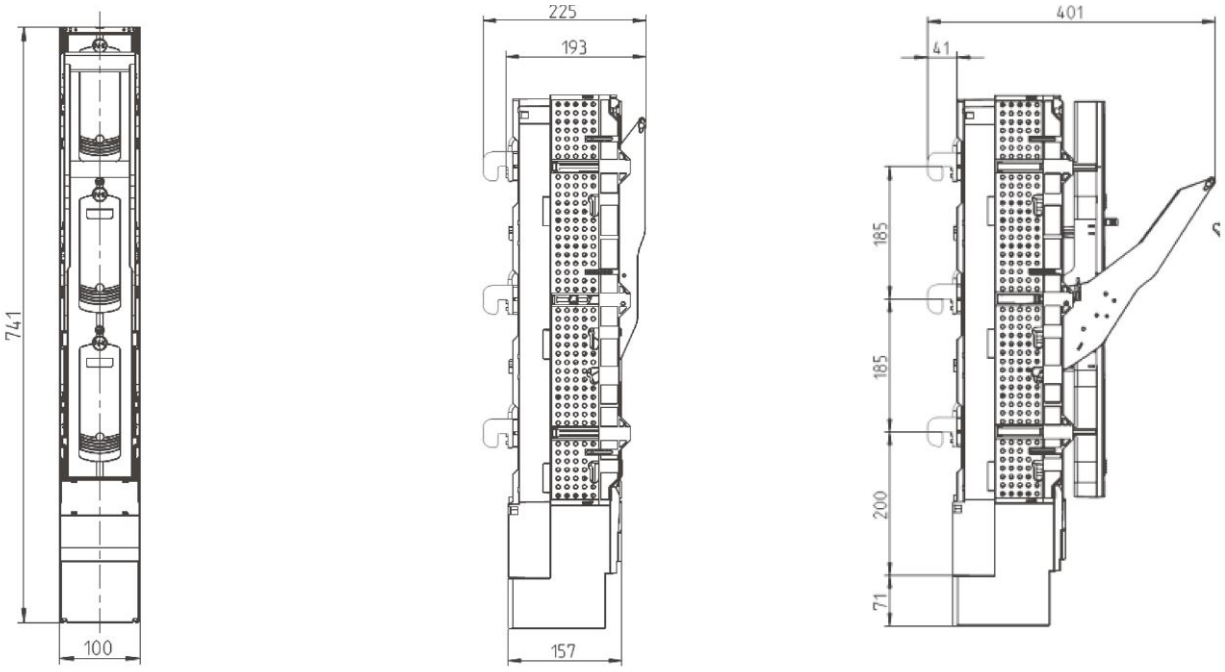


NH Fuse-Switches, vertical design, for IP2X applications

NH Fuse-Switches, vertical design, size 00



NH Fuse-Switches, vertical design, size 1 – 3



NH Fuse-Switches, vertical design

NH Fuse-Switches, vertical design, 630 kVA

The requirements for HV fuse-links are defined in standard IEC 60282-1. In Germany, the allocation of HV fuse-links to transformers is specified in standard DIN VDE 0670 part 402. This applies whenever a main fuse-link according to DIN VDE 0636 part 2011, utilization category “gTr” is used on the secondary side of the transformers. The selectivity between HV back-up fuse-links and NH main fuse-links of type “gTr” required by operators is thereby ensured.

The characteristic curve of the NH fuse-link of utilization category “gTr” according to DIN VDE 0636 part 2011 is adjusted to the thermal capacity of the transformers and the HV fuse-link. This allows the optimal utilization of the transformers‘ overload capacity. Transformer fuse-links of utilization category “gTr” must be able to withstand the 1.3-fold transformer rated current for at least 10 hours. The fuse-link trips at the 1.5-fold transformer rated current within a period of 2 hours. Transformer fuse-links are designated in accordance with the transformer rated current in kVA.

In practice, this means that e.g. an NH fuse-link of size 3, 630 kVA, can withstand an operating current of 1182 A for a minimum period of 10 hours. Such a high load not only increases the NH fuse-link‘s power dissipation, but also puts additional load on the NH fuse-switch used in the system. Accordingly, a sufficiently rated NH fuse-switch must be used.

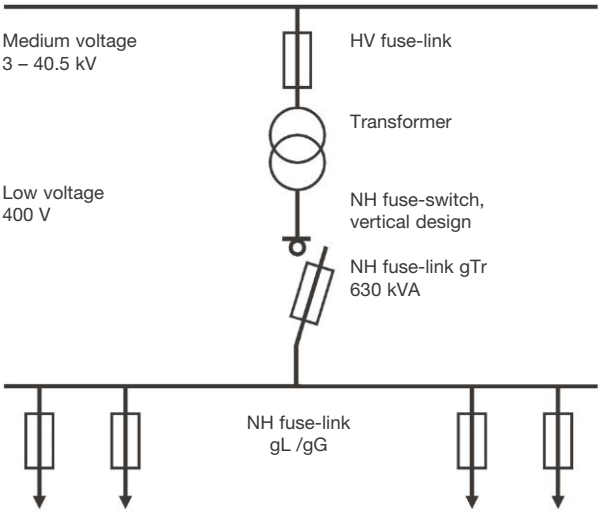
NH fuse-switch devices with a rated operating current of 910 A are not suitable for use with 630 kVA fuse-links as outlined above. Even when using a fuse-link of the next lower rating of 500 kVA, the switching device operated with a current of 1.3 times the rated transformer current must withstand an operating current of 939 A over a minimum period of 10 hours. In this case, the operator must provide additional overcurrent protection devices to ensure that the maximum permissible operating current of the NH fuse-switch of 910 A is not exceeded.

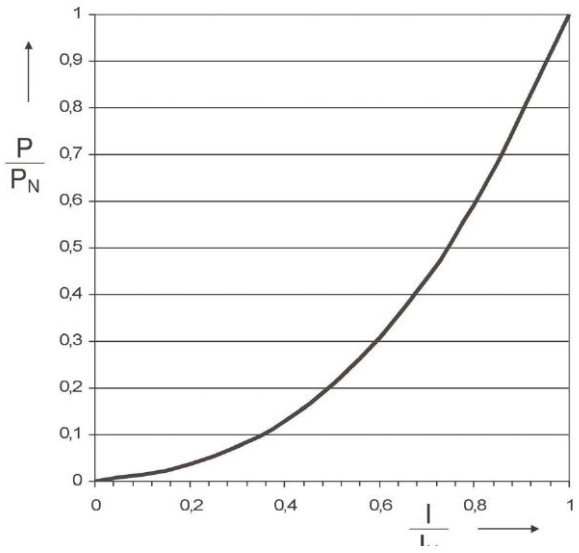
EFEN vertical-design NH fuse-switches rated at 630 kVA are true and uncompromised 630-kVA devices. Due to their specific design, they withstand the high operating currents that occur when the overload capacity of transformers is utilized (up to 1182 Amps for at least 10 hours). This is why these EFEN‘s vertical-design NH fuse-switches are specified with the transformer rated capacity in kVA similar to DIN VDE 0636/2011.

Specific features:

- Rated power 630 kVA at 400 V AC
- Robust design and plastics with a high thermal resistance
- Parallel disconnection for high breaking capacity
- Top, bottom or rear connections are available

630 kVA fuse-switches of horizontal design of size 3 are available as well.





NH Fuse-Switch, vertical design, size 3: 630 kVA

Terminal type and location	Size	kVA	Variant	Order no.	Designation	PU	Weight in kg
M12, bottom	3	630	1-pole switching	38300-1235	NH-La-Lei 3 1PU 630kVA VE SM ST GG L6	1	5,60
M12, top	3	630	1-pole switching	38350-1235	NH-La-Lei 3 1PO 630kVA VE SM ST GG L6	1	7,12
Clinch nut M12, rear side	3	630	1-pole switching	37374-1465	NH-La-Lei 3 1PH 630kVA GG S6	1	7,00
M12, bottom	3	630	3-pole switching	38300-1275	NH-La-Lei 3 3PU 630kVA VE SM ST GG L6	1	7,29
M12, top	3	630	3-pole switching	38350-1275	NH-La-Lei 3 3PO 630kVA VE SM ST GG L6	1	7,32
Clinch nut M12, rear side	3	630	3-pole switching	38374-1495	NH-La-Lei 3 3PH 630kVA GG S6	1	7,00

NH Fuse-Switches, vertical design

630 kVA NH feeding Fuse-Switch with special terminal block

Application
This device is used as feeding switch in low-voltage distribution systems of transformer stations up to 630 kVA (transformer protection concept).

Benefits:
Terminal block with special contact lugs for connection to up to 60 mm wide busbars.

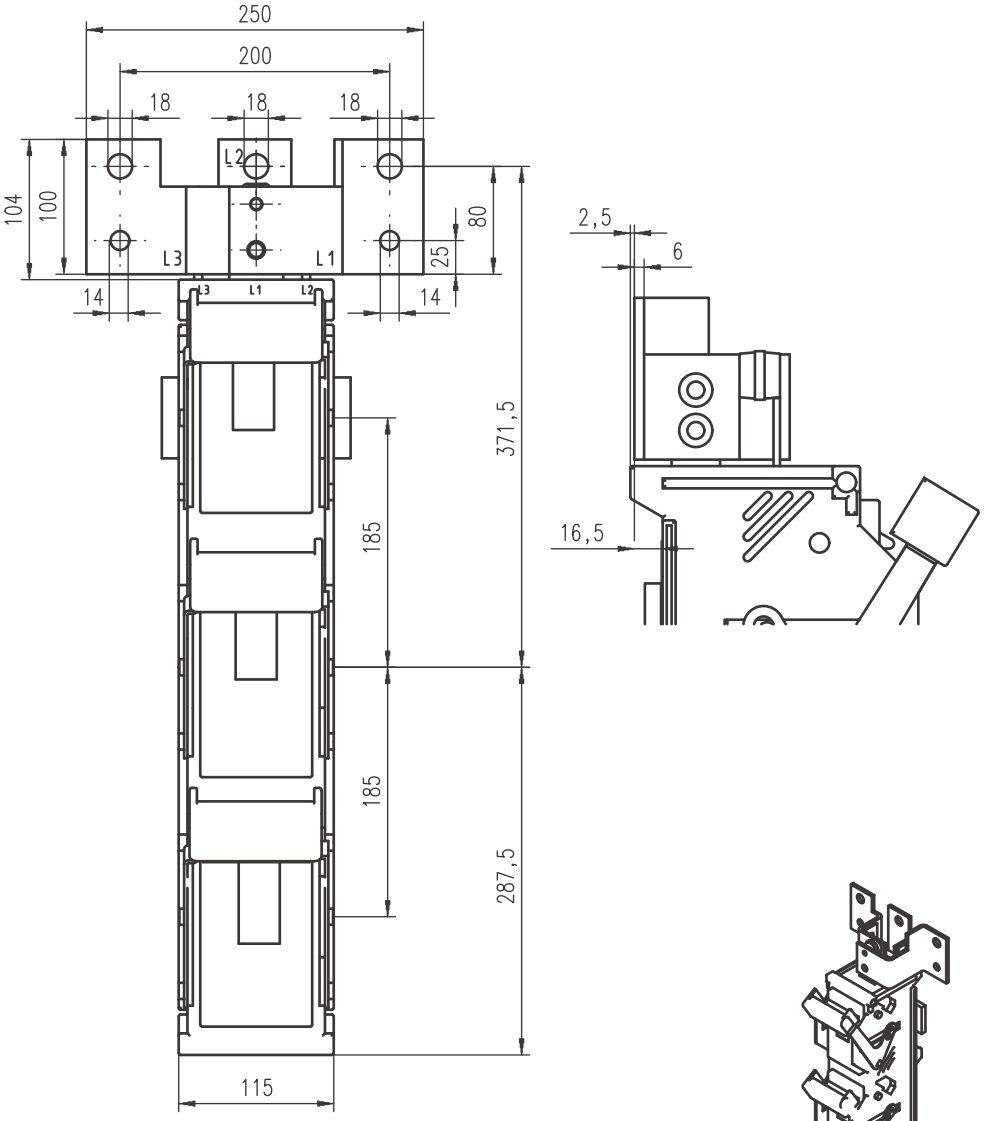
Mirrored terminals L1/L2 to eliminate crossings between cables or busbars and the secondary contacts of the transformer.

Simplified planning of installation and reliable compliance with specified air and creepage gaps due to fixed clearances between phases.

Extremely strong contact terminals for high electrodynamic stability.

Reliable thermal operating reliability at alternating ambient conditions due to extended device width of 115 mm.

Description	Size	kVA	Variant	Order no.	Designation	PU	Weight in kg
Special terminal for 60 mm busbars, top terminal	3	630	3-pole switching	38350-1595	NH-LA-LEI 3 3PO 630KVA SV L8 (L6)	1	7,00



NH Fuse-Switches, vertical design

NH Fuse-Switches, vertical design, size 2, 1-pole switching, EKDEO series

The NH vertical-design fuse-switches of the EKDEO series yield the following benefits also for the operator, especially when used in utility applications.

- Easy voltage testing directly on the contact blades of the NH fuse-links
- Easy current metering
- Compatible with piggyback fuse-switches for separate power branch-out
- Easy working with earthing cartridges, no further accessories required
- 150 mm installation depth for installation in low-profile cabinets

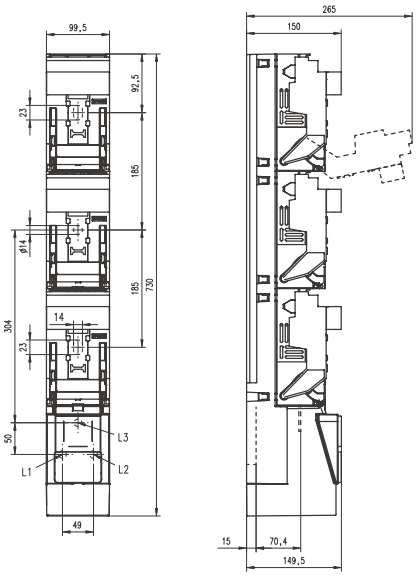
Technical data acc. to VDE 0660 T107/EN/IEC 60947-3

Suitable for NH fuse-links according to VDE 0636 T 2		**Size**	**2**
Rated operating current I_e*		A	400
Conventional free-air thermic current I_{th}		A	400
Rated operating voltage U_e		V	690
Rated isolation voltage U_i		V	1000
Rated impulse withstand-current U_{imp}		kV	12
Conditional rated short-circuit current (when protected by NH fuse-links)		kA	100
Utilization category acc. to VDE 0660 T107 / EN/IEC 60947-3		Ue=400 V AC Ue=500 V AC Ue=690 V AC Ue=440 V DC	AC-23B AC-22B AC-21B DC-21B
Mechanical service life		Cycles	1600
Rated operating mode		Continuous operation	
Permissible ambient temperature		°C	-25 to +55
Degree of protection acc. to DIN/EN 60529 / VDE 0470 T1		IP	2x
Tightening torques	Busbar	Busbar mounting	32 Nm
		Hook mounting	20 Nm
	Cable connection	Conductor bolt M12	32 Nm
		V2N clamp	30 Nm
		V2 MD clamp	25 Nm
Maximum permissible power dissipation of NH fuse-link		Pv max.	34 W

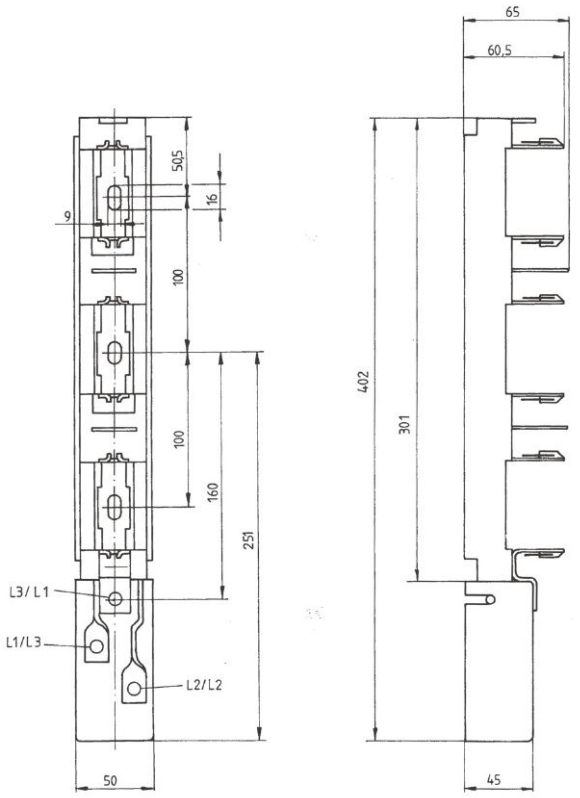
* Please request further information when using gR fuse-links (VDE 0636/40) in our devices. Continuous technical development is our dedication. Specifications and data are subject to change without notice.

NH Fuse-Switches, vertical design, size 2, 1-pole switching, EKDEO series

Description	**Size**	**Amps I_n**	**Order no.**	**Designation**	**PU**	**Weight in kg**
Clinch nut M12	2	400	38664-0000	EKDEO 2 1P S6	1	3,77
Stud M12x30	2	400	38662-0000	EKDEO 2 1P B6	1	3,77
V-terminal (not including V-clamps)	2	400	38665-0000	EKDEO 2 1P V2	1	3,77
V2N-terminal (not including V-clamps)	2	400	38665-0470	EKDEO 2 1P V2N	1	3,77

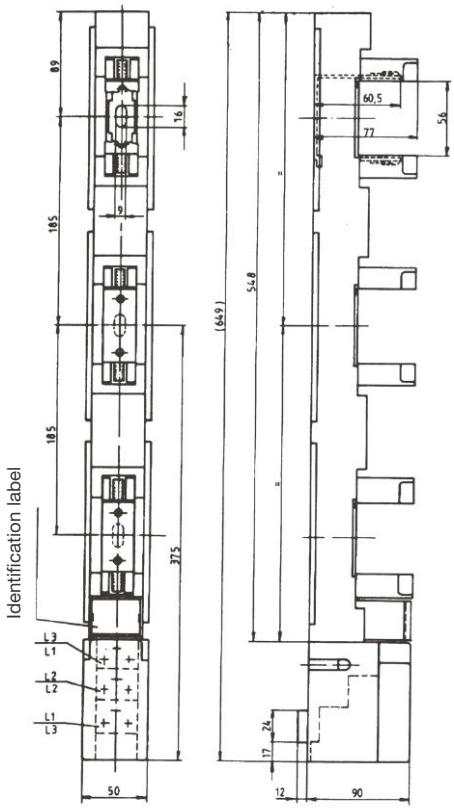


NH fuse-rails, size 00/100: 125/160 A



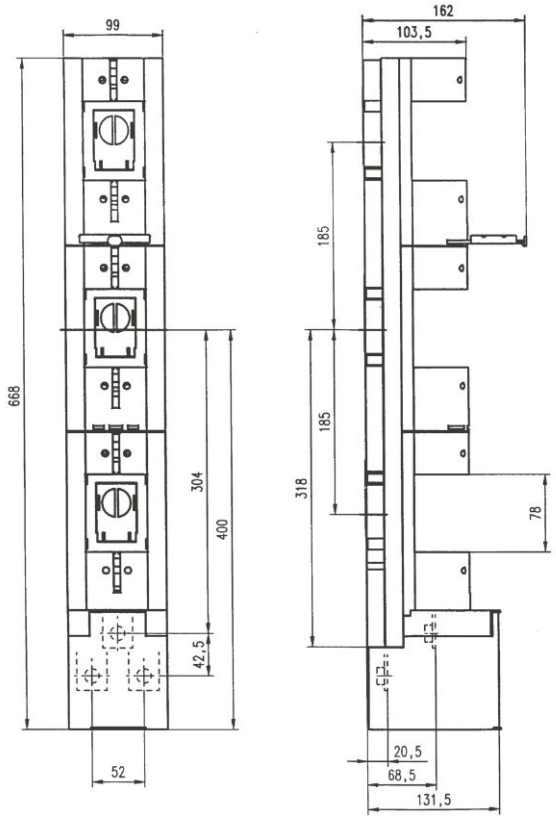
with contact cover and terminal cover

NH fuse-rails, size 00/185

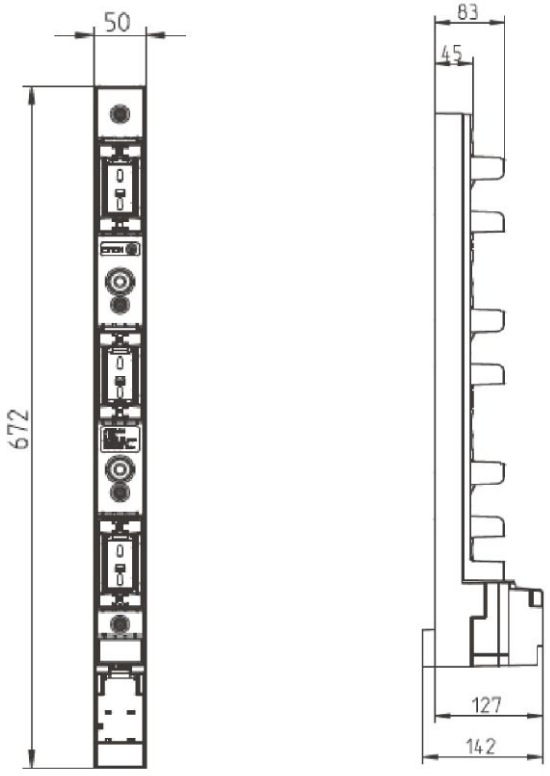


with contact cover and terminal cover

Eduro



ϵ^3 NH fuse-rails, size 00/185 with V-clamp



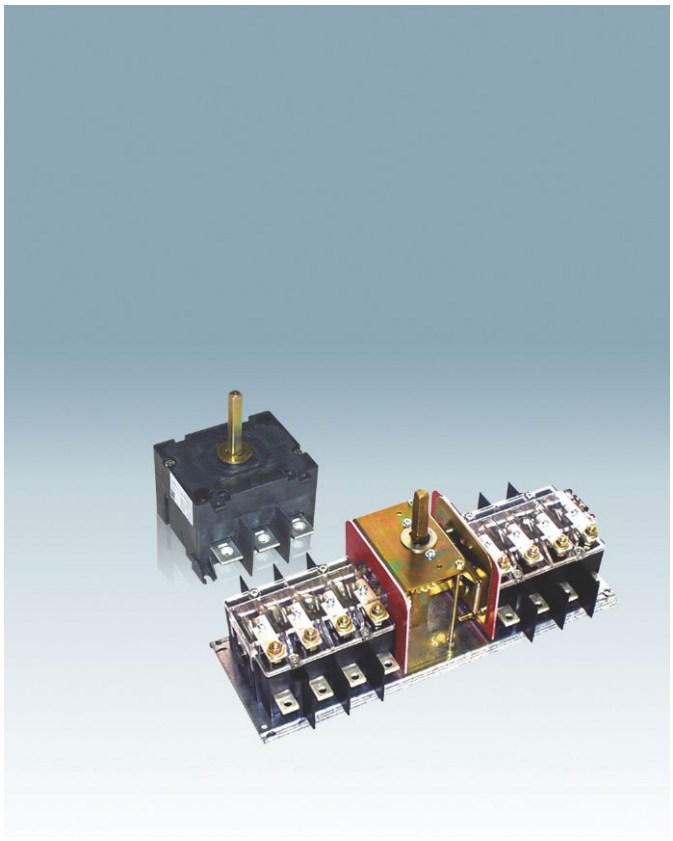


Load-Break Switches / Load-Changeover Switches / Bypass Switches

Load-break switches and load-changeover switches by EFEN are characterized by their robust functionality and compact design. They are ideally suited for applications in building-site power distributions, grid and grid back-up feed systems, telecommunications, hospitals, airports, railroad systems and transport services.

System
EFEN load-break switches and load-changeover switches are robust and versatile. The range comprises 3 and 4-pole as well as bypass versions with dual switch mechanisms, allowing six or eight poles to be switched simultaneously. Variants complying with DIN and BS standard are available.

Features
Thanks to their robust and compact design, the devices can be used in many ways, e.g. for construction-site power distribution, grid and grid back-up feed systems, utility applications and telecommunications. The visible isolation gap is another benefit of the changeover switches.



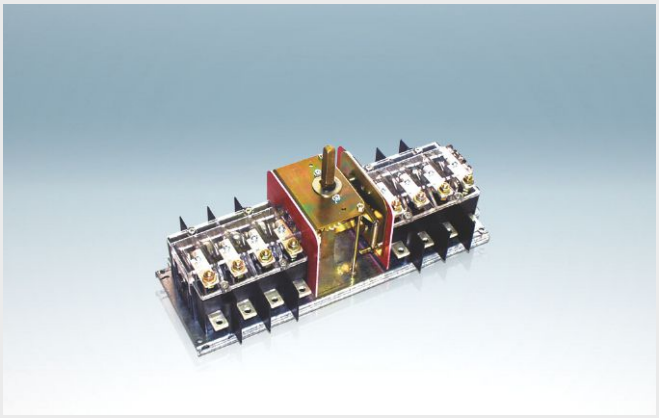
Load-Break Switches / Load-Changeover Switches / Bypass Switches

Load-break switches without fuse-links	page 244
Load-break switches with fuse-links	page 247
Load-changeover switches 1 – 0 – 2	page 251
Load-changeover switches, steel enclosure	page 253
Master and emergency switches	page 256
Bypass switches 1 – 0 – 2	page 257
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Load-Break Switch type FWA
used e.g. in building-site power distributions



Load-Changeover Switch type FMU
with visible isolation gap



Load-Break Switch type FAM
with double breaking



Load-Changeover Switch type FMU
in steel enclosure



Load-break switches and changeover switches



Application
The compact load-break switches of type FWA reliably and safely disconnect circuits under nominal load and under overload conditions from the grid (feed).

Areas of use
- Open switchboards
- Enclosed systems
- Machine tools
- Motor control centers (MCCs)
- Factory-built assemblies of switchgear

Scope of supply
Devices are supplied with handle and face plate.

▶ Technical data, page 259



29100-1500

Load-break switches, 3 and 4-pole, 63 – 630 A, type FWA

Designation	Poles	Amps	PU	Product designation	Order no.
Load-break switch	3	63	1	FWA 6/3K-A 63A/3 AF KW R	**29100-0401**
Load-break switch	3	80	1	FWA 8/3K-A 80A/3 AF KW R	**29100-0501**
Load-break switch	3	100	1	FWA 10/3K-A 100A/3 AF KW R	**29100-0601**
Load-break switch	3	125	1	FWA 12/3K-A 125A/3 AF KW L	**29100-0700**
Load-break switch	3	160	1	FWA 16/3K-A 160A/3 AF KW L	**29100-0800**
Load-break switch	3	200	1	FWA 20/3K-A 200A/3 AF KW L	**29100-0900**
Load-break switch	3	250	1	FWA 25/3K-A 250A/3 AF KW L	**29100-1000**
Load-break switch	3	315	1	FWA 30/3K-A 315A/3 AF KW L	**29100-1200**
Load-break switch	3	400	1	FWA 40/3K-A 400A/3 AF KW L	**29100-1300**
Load-break switch	3	500	1	FWA 50/3K-A 500A/3 AF KW L	**29100-1400**
Load-break switch	3	630	1	FWA 63/3K-A 630A/3 AF KW L	**29100-1500**
Load-break switch	4	63	1	FWA 6/4K-A 63A/4 AF KW R	**29104-0401**
Load-break switch	4	80	1	FWA 8/4K-A 80A/4 AF KW R	**29104-0501**
Load-break switch	4	100	1	FWA 10/4K-A 100A/4 AF KW R	**29104-0601**
Load-break switch	4	125	1	FWA 12/4K-A 125A/4 AF KW L	**29104-0700**
Load-break switch	4	160	1	FWA 16/4K-A 160A/4 AF KW L	**29104-0800**
Load-break switch	4	200	1	FWA 20/4K-A 200A/4 AF KW L	**29104-0900**
Load-break switch	4	250	1	FWA 25/4K-A 250A/4 AF KW L	**29104-1000**
Load-break switch	4	315	1	FWA 30/4K-A 315A/4 AF KW L	**29104-1200**
Load-break switch	4	400	1	FWA 40/4K-A 400A/4 AF KW L	**29104-1300**
Load-break switch	4	500	1	FWA 50/4K-A 500A/4 AF KW L	**29104-1400**
Load-break switch	4	630	1	FWA 63/4K-A 630A/4 AF KW L	**29104-1500**

Load-break switches and changeover switches



Application
Load-break switches of type FWA-HLD are especially suitable for use as master and emergency switches in machine control systems or control cabinets. Due to their exceptional technical properties, they comply with any requirement for repair and service switches or crane master switches. They feature a motor-breaking capacity of AC 23 (switching of motors and other highly inductive loads).

Areas of use
- Machine tools
- Cranes
- Compact stations, wind farms

Scope of supply
Devices are supplied with handle and face plate.

▶ Technical data, page 259



29110-1500

Load-break switches, 3 and 4-pole, 250 – 1250 A, type FWA-HLD

Designation	Poles	Amps	PU	Product designation	Order no.
Load-break switch	3	250	1	FWA-HLD 25/3K-A 250A/3 AF KW L	**29110-1000**
Load-break switch	3	300	1	FWA-HLD 30/3K-A 315A/3 AF KW L	**29110-1200**
Load-break switch	3	400	1	FWA-HLD 40/3K-A 400A/3 AF KW L	**29110-1300**
Load-break switch	3	500	1	FWA-HLD 50/3K-A 500A/3 AF KW L	**29110-1400**
Load-break switch	3	630	1	FWA-HLD 63/3K-A 630A/3 AF KW L	**29110-1500**
Load-break switch	3	800	1	FWA-HLD 80/3K-A 800A/3 AF KW L	**29110-1600**
Load-break switch	3	1000	1	FWA-HLD 100/3K-A 1000A/3 AF KW L	**29110-1700**
Load-break switch	3	1250	1	FWA-HLD 125/3K-A HLD 1250A/3 AF KW L	**29110-1800**
Load-break switch	4	250	1	FWA-HLD 25/4K	**29114-1000**
Load-break switch	4	300	1	FWA-HLD 30/4K	**29114-1200**
Load-break switch	4	400	1	FWA-HLD 40/4K	**29114-1300**
Load-break switch	4	500	1	FWA-HLD 50/4K	**29114-1400**
Load-break switch	4	630	1	FWA-HLD 63/4K	**29114-1500**
Load-break switch	4	800	1	FWA-HLD 80/4-A 800A/4 AF KW L	**29114-1600**
Load-break switch	4	1000	1	FWA-HLD 100/4-A HLD 1000A/4 AF KW L	**29114-1700**
Load-break switch	4	1250	1	FWA-HLD 125/4-A HLD 1250A/4 AF KW L	**29114-1800**

Accessories for load-break switches, 3 and 4-pole, 63 – 630 A, type FWA

Designation	Poles	Amps	PU	Product designation	Order no.
Door coupling + shaft extension		63-100	1	TKV-WV 80	**36541-0010**
Door coupling + shaft extension		63-250	1	TKV-WV FWA160/FMU250 200MM	**36509-0010**
Door coupling + shaft extension		250-630	1	TKV-WV VK14 UD 630 200MM	**36680-0010**
Terminal cover, single-side	3	63-100	1	KLAD FWA 8/3K	**31828-0200**
Terminal cover, single-side	4	63-100	1	KLAD FWA 8/4K	**31828-0100**
Terminal cover, single-side	3 + 4	125-200	1	KLAD-160	**36573-0010**
Terminal cover, single-side	3 + 4	250-630	1	KLAD-630	**36658-0010**
DKLAD 630			1	DKLAD 630	**36538-0010**
Aux. switch 2 NC / 2 NO for FWA		250-630	1	HILFSSCHALTER 2S2Ö 630A	**36899-0010**
Aux. switch 2 NC / 2 NO for FWA		800-1250	1	HILFSSCHALTER 2S2Ö FWA 1250A	**36857-0010**
Aux. switch 1 NO / 1 NC in position 1	3 + 4	250-630	1	HILFSSCHALTER 1S1Ö 630A	**36516-0010**
Door coupling + shaft extension	3 + 4	300-500	1	TKV-DG 245 WV-1250 200MM	**36505-0010**
Aux. switch 1 NO / 1 NC in position 1	3 + 4	800-1250	1	HILFSSCHALTER 1S1Ö FWA 1250A	**36504-0010**
Terminal cover, both sides	3	800-1250	1	DKLAD 3-1250 FWA U. HSWA	**36586-0010**
Terminal cover, single-side	4	800-1250	1	DKLAD 4-1250	**36587-0010**

Load-break switches and changeover switches

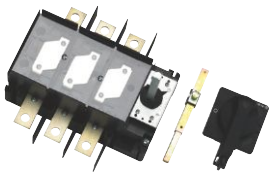


Application
Load-break switches of type FAM reliably and safely disconnect circuits under nominal load and under overload conditions from the grid (feed). When switched off, the device comply with the requirements for isolator switches up to 690 Volt.

Areas of use
- Installation distributors
- Power distribution
- Motor control centers
- Control systems

Scope of supply
Devices are supplied with handle and face plate.

▶ Technical data, page 260



29250-1100

Load-break switches, 3 and 4-pole, 63 – 300 A, type FAM

Designation	Poles	Amps	PU	Product designation	Order no.
Load-break switch	3	63	1	FAM 6/3-A 63A/3 AF KM R	**29250-0401**
Load-break switch	3	80	1	FAM 8/3-A 80A/3 AF KM R	**29250-0501**
Load-break switch	3	100	1	FAM 10/3-A 100A/3 AF KM L	**29250-0600**
Load-break switch	3	125	1	FAM 12/3-A 125A/3 AF KM L	**29250-0700**
Load-break switch	3	160	1	FAM 16/3-A 160A/3 AF KM L	**29250-0800**
Load-break switch	3	200	1	FAM 20/3-A 200A/3 AF KM L	**29250-0900**
Load-break switch	3	250	1	FAM 25/3-A 250A/3 AF KM TZ L	**29250-1000**
Load-break switch	3	300	1	FAM 30/3-A 300A/3 AF KM TZ L	**29250-1100**

Accessories for load-break switches, 3 and 4-pole, 63 – 300 A, type FAM

Designation	Poles	Amps	PU	Product designation	Order no.
Aux. switch 1 NO / 1 NC in position 1	3	63-160	1	HILFSSCHALTER 1W SILA/FAM 160	**36593-0010**
Aux. switch 1 NO / 1 NC in position 1		200-300	1	HILFSSCHALTER 2S2Ö FAM/SILA-1	**36596-0010**
Neutral pole with lug	*	63-125	1	NULLKONTAKT SILA 00 L	**36907-0010**
Neutral pole with box terminal	*	63-125	1	NULLKONTAKT FAM 6-16 SK	**36908-0010**
Neutral pole with clinch nut	*	100-160	1	NULLKONTAKT SILA 00 EPM	**36906-0010**
Terminal cover, single-side	3 + 4	200-300	1	KLAD-SILA 1 1-FACH	**36506-0010**
Terminal cover, single-side	3	100-160	1	KLEMMENABDECKUNG SILA 00 1-FACH	**36501-0010**
Door coupling + shaft extension		63-100	1	TKV-WV 80	**36541-0010**
Door coupling + shaft extension		63-250	1	TKV-WV FWA160/FMU250 200MM	**36509-0010**

Switch-fuse

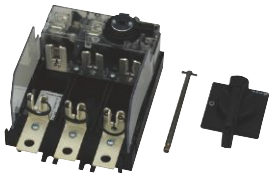


Features
Switch-fuses of type SILA combine the benefits of an NH fuse-switch with those of a load-break switch in one unit. Their actuation is independent of the operator. The switching chamber is isolated from the fuse-links. Arcing that occurs when disconnecting is quenched inside the switching chamber.

Areas of use
- Construction site power distribution
- Switchboards
- Installation distributors, etc.

Scope of supply
Devices are supplied complete with padlockable handle, front cover, door coupling and shaft extension.

▶ Technical data, page 261



29400-0700

Switch-fuse (DIN type) 3-pole, 63 – 125 A, type SILA – NH 00

Designation	Amps	PU	Product designation	Order no.
Switch-fuse	63	1	SILA-NH 00-6/3-SE-A 63A/3 AF KM SN L	**29400-0400**
Switch-fuse	125	1	SILA-NH 00-12/3-SE-A 125A/3 AF KM SN L	**29400-0700**

Accessories for switch-fuses (DIN type) 3 and 4-pole, 63 – 125 A, type SILAD – NH 00

Designation	Poles	Amps	PU	Product designation	Order no.
Neutral pole with box terminal			1	NULLKONTAKT SILA 00 LANG SK	**36909-0010**
Neutral pole with lug, 185 mm			1	NULLKONTAKT SILA 00 LANG	**36910-0010**
Neutral pole with clinch nut			1	NULLKONTAKT SILA 00 LANG EPM	**36911-0010**
Terminal cover, single-side	3	63-125	1	KLAD-SILA 00 KURZE RÜCKWAND	**36507-0010**
Aux. switch 1 NO / 1 NC in position 1	3	63-160	1	HILFSSCHALTER 1W SILA/FAM 160	**36593-0010**

Switch-fuse



Features
Switch-fuses of type SILAD combine the benefits of an NH fuse-switch with those of a load-break switch in one unit. Their actuation is independent of the operator. The switching chamber is isolated from the fuse-links. Arcing that occurs when disconnecting is quenched inside the switching chamber.

Areas of use
- Construction site power distribution
- Switchboards
- Installation distributors, etc.

Scope of supply
Devices are supplied complete with padlockable handle, front cover, door coupling and shaft extension.

▶ Technical data, page 261



29410-0700

Switch-fuse (DIN type) 3 poles, 63 – 125 A; type SILAD – NH 00

Designation	Poles	Amps	PU	Product designation	Order no.
Switch-fuse	3	63	1	SILAD-NH 00-6/3-SE-A 63A/3 AF KM SN L	**29410-0400**
Switch-fuse	3	125	1	SILAD-NH 00-12/3-SE-A 125A/3 AF KM SN L	**29410-0700**
Switch-fuse	3	250	1	SILAD-NH 1-25/3-SE-A 250A/3 AF KM TZSN L	**29400-1000**
Switch-fuse	3 + N	250	1	SILAD-NH 1-25/3+N-SE-A250A/3N AF KM TZSN	**29403-1000**
Switch-fuse	3	400	1	SILAD-NH 2-40/3-SE-A400A/3 AF KM TZ SN L	**29420-1300**
Switch-fuse	3 + N	400	1	SILAD-NH 2-40/3N-A 400A/3N AF KM TZ SN	**29423-1300**
Switch-fuse	3	630	1	SILAD-NH 3-63/3-A 630A/3 AF KM TZ SN	**29420-1500**
Switch-fuse	3 + N	630	1	SILAD-NH 3-63/3+N-A 630A/3N AF KM TZ SN	**29423-1500**

Accessories for switch-fuses (DIN type) 3 and 4 poles, 63 – 125 A, type SILAD – NH 00

Designation	Poles	Amps	PU	Product designation	Order no.
Neutral pole with lug	*	63-125	1	NULLKONTAKT SILA 00 L	**36907-0010**
Neutral pole with box terminal	*	63-125	1	NULLKONTAKT FAM 6-16 SK	**36908-0010**
Neutral pole with clinch nut	*	100-160	1	NULLKONTAKT SILA 00 EPM	**36906-0010**
Terminal cover, single-side	3	100-160	1	KLEMMENABDECKUNG SILA 00 1-FACH	**36501-0010**
Terminal cover, single-side	3 + 4	200-300	1	KLAD-SILA 1 1-FACH	**36506-0010**
Terminal cover, single-side	3	400	1	KLAD-SILAC II	**36589-0010**
Terminal cover, single-side	3	630	1	KLAD-SILAC III	**36591-0010**

Switch-fuse



Features
Switch-fuses of type SILA combine the benefits of an NH fuse-switch with those of a load-break switch in one unit. Their actuation is independent of the operator. The switching chamber is isolated from the fuse-links. Arcing that occurs when disconnecting is quenched inside the switching chamber.

Areas of use
- Motor control centers
- Switchboards
- Installation distributors, etc.

Scope of supply
Devices are supplied complete with padlockable handle, front cover, door coupling and shaft extension.

▶ Technical data, page 261



29430-0101 + 36908-0010

Switch-fuse, 3-pole, 25 – 125 A, for BS88, type SILA-BS

Designation	Poles	Amps	Size	PU	Product designation	Order no.
Switch-fuse	3	25	F1	1	SILA-BS 2/3-A 20A/3 AF KM SB R	**29430-0101**
Switch-fuse	3	32	F1	1	SILA-BS 3/3-A 32A/3 AF KM SB R	**29430-0201**
Switch-fuse	3	63	A3	1	SILA-BS 6/3-A 63A/3 AF KM SB R	**29430-0400**
Switch-fuse	3	100	A3	1	SILA-BS 10/3-A 100A/3 AF KM TZ SB L	**29430-0600**
Switch-fuse	3	125	A4	1	SILA-BS 12/3-A 125A/3 AF KM TZ SB L	**29430-0700**

Accessories for switch-fuses, 3 and 4-pole, 25 – 125 A, for BS88, type SILA-BS

Designation	Poles	Amps	PU	Product designation	Order no.
Neutral pole with lug	*	63-125	1	NULLKONTAKT SILA 00 L	**36907-0010**
Neutral pole with box terminal	*	63-125	1	NULLKONTAKT FAM 6-16 SK	**36908-0010**
Terminal cover, single-side	3	100-160	1	KLEMMENABDECKUNG SILA 00 1-FACH	**36501-0010**
Neutral pole with clinch nut	*	100-160	1	NULLKONTAKT SILA 00 EPM	**36906-0010**

Switch-fuse



Features
Switch-fuses of type SILAD-BS combine the benefits of an NH fuse-switch with those of a load-break switch in one unit. Their actuation is independent of the operator. The switching chamber is isolated from the fuse-links. Arcing that occurs when disconnecting is quenched inside the switching chamber.

Areas of use
- Motor control centers
- Switchboards
- Installation distributors, etc.

Scope of supply
Devices are supplied complete with padlockable handle, front cover, door coupling and shaft extension.

▶ Technical data, page 261



29440-0101 + 36908-0010

Switch-fuses, 3-pole, 25 – 125 A, for BS88, type SILAD-BS

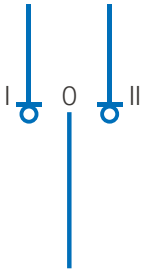
Designation	Poles	Amps	Size	PU	Product designation	Order no.
Switch-fuse	3	25	A1	1	SILAD-BS 2/3-A 25A/3 AF KM TZ SB R	**29440-0101**
Switch-fuse	3	32	A1	1	SILAD-BS 3/3-A 32A/3 AF KM TZ SB R	**29440-0201**
Switch-fuse	3	100	A3	1	SILAD-BS 10/3-A 100A/3 AF KM TZ SB L	**29440-0600**
Switch-fuse	3	125	B2	1	SILAD-BS 12/3-A 125A/3 AF KM TZ SB L	**29440-0700**
Switch-fuse	3	160	B2	1	SILAD-BS 16/3-A 160A/3 AF KM TZ SB L	**29440-0800**
Switch-fuse	3	200	B2	1	SILAD-BS 20/3-A 200A/3 AF KM TZ SB L	**29440-0900**
Switch-fuse	3	250	B3	1	SILAD-BS 25/3-A 250A/3 AF KM TZ SB L	**29440-1000**
Switch-fuse	3	300	B3	1	SILAD-BS 30/3-A 300A/3 AF KM TZ SB L	**29440-1100**

Accessories for switch-fuses, 3 and 4-pole, 25 – 125 A, for BS88, type SILA-BS

Designation	Poles	Amps	Size	PU	Product designation	Order no.
Neutral pole with lug	*	63-125		1	NULLKONTAKT SILA 00 L	**36907-0010**
Neutral pole with box terminal	*	63-125		1	NULLKONTAKT FAM 6-16 SK	**36908-0010**
BOTTOM TERMINAL COVER, FAM 12-16				1	KLEMMENABDECKUNG UNTEN FAM 12-16	**36702-0010**
Neutral pole with clinch nut	*	100-160		1	NULLKONTAKT SILA 00 EPM	**36906-0010**
Terminal cover, single-side	3 + 4	200-300		1	KLAD-SILA 1 1-FACH	**36506-0010**

* for additional 4-pole

Load-changeover switch

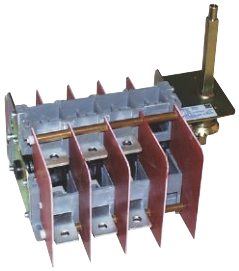


Application
Load-changeover switches of type FMU (FMUN) connect one consumer with either of two power sources (e. g. grid or back-up power supply). The switching function of the devices is 1 – 0 – 2*. In position 1, the consumer is connected to grid supply. In position 2, it is connected to a back-up power supply. In position 0, the consumer is completely isolated from the power sources. Thanks to the visible disconnection, the load-changeover switch complies with fuse-switch requirements.

Areas of use
Telecommunications, railroad systems, utility applications, hospitals, radio stations, airports, transport services, etc.

Scope of supply
Devices are supplied with handle and face plate.

▶ Technical data, page 262

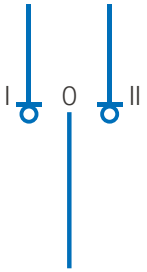


29300-0400

Load-changeover switches, 3 and 4-pole, 63 – 4000 A, type FMU (FMUN)

Designation	Poles	Amps	PU	Product designation	Order no.
Load-changeover switch	3	63	1	FMU 6/3-U0 63A/3 AF KM L	**29300-0400**
Load-changeover switch	3	80	1	FMU 8/3-U0 80A/3 AF KM L	**29300-0500**
Load-changeover switch	3	100	1	FMU 10/3-U0 100A/3 AF KM L	**29300-0600**
Load-changeover switch	3	125	1	FMU 12/3-U0 125A/3 AF KM L	**29300-0700**
Load-changeover switch	3	160	1	FMU 16/3-U0 160A/3 AF KM L	**29300-0800**
Load-changeover switch	3	200	1	FMUN 20/3-U0 200A/3 AF KM BN L	**29320-0900**
Load-changeover switch	3	250	1	FMUN 25/3-U0 250A/3 AF KM BN L	**29320-1000**
Load-changeover switch	3	300	1	FMUN 30/3-U0 300A/3 AF KM BN L	**29320-1100**
Load-changeover switch	3	400	1	FMUN 40/3-U0 400A/3 AF KM BN L	**29320-1300**
Load-changeover switch	3	500	1	FMUN 50/3-U0 500A/3 AF KM BN L	**29320-1400**
Load-changeover switch	3	630	1	FMU 63/3-U0 630A/3 AF KM L	**29300-1500**
Load-changeover switch	3	800	1	FMU 80/3-U0 800A/3 AF KM L	**29300-1600**
Load-changeover switch	3	1000	1	FMU 100/3-U0 1000A/3 AF KM L	**29300-1700**
Load-changeover switch	3	1250	1	FMU 125/3-U0 1250A/3 AF KM L	**29300-1800**
Load-changeover switch	3	1600	1	FMU 160/3-U0 1600A/3 AF KM L	**29300-1900**
Load-changeover switch	3	2000	1	FMU 200/3-U0 2000A/3 AF KM L	**29300-2000**
Load-changeover switch	3	2500	1	FMU 200/3-U0 2500A/3 AF KM L	**29300-2500**
Load-changeover switch	3	3150	1	FMU 200/3-U0 3150A/3 AF KM L	**29300-3150**
Load-changeover switch	3	4000	1	FMU 200/3-U0 4000A/3 AF KM L	**29300-4000**
Load-changeover switch	4	63	1	FMU 6/4-U0 63A/4 AF KM L	**29304-0400**
Load-changeover switch	4	80	1	FMU 8/4-U0 80A/4 AF KM L	**29304-0500**
Load-changeover switch	4	100	1	FMU 10/4-U0 100A/4 AF KM L	**29304-0600**
Load-changeover switch	4	125	1	FMU 12/4-U0 125A/4 AF KM L	**29304-0700**
Load-changeover switch	4	160	1	FMU 16/4-U0 160A/4 AF KM L	**29304-0800**
Load-changeover switch	4	200	1	FMUN 20/4-U0 200A/4 AF KM BN L	**29324-0900**
Load-changeover switch	4	250	1	FMUN 25/4-U0 250A/4 AF KM BN L	**29324-1000**
Load-changeover switch	4	300	1	FMUN 30/4-U0 300A/4 AF KM BN L	**29324-1100**
Load-changeover switch	4	400	1	FMUN 40/4-U0 400A/4 AF KM BN L	**29324-1300**
Load-changeover switch	4	500	1	FMUN 50/4-U0 500A/4 AF KM BN L	**29324-1400**
Load-changeover switch	4	630	1	FMU 63/4-U0 630A/4 AF KM L	**29304-1500**
Load-changeover switch	4	800	1	FMU 80/4-U0 800A/4 AF KM L	**29304-1600**
Load-changeover switch	4	1000	1	FMU 100/4-U0 1000A/4 AF KM L	**29304-1700**
Load-changeover switch	4	1250	1	FMU 125/4-U0 1250A/4 AF KM L	**29304-1800**
Load-changeover switch	4	1600	1	FMU 160/4-U0 1600A/4 AF KM L	**29304-1900**
Load-changeover switch	4	2000	1	FMU 200/4-U0 2000A/4 AF KM L	**29304-2000**
Load-changeover switch	4	2500	1	FMU 200/3-U0 2500A/4 AF KM L	**29304-2500**
Load-changeover switch	4	3150	1	FMU 200/3-U0 3150A/4 AF KM L	**29304-3150**
Load-changeover switch	4	4000	1	FMU 200/3-U0 4000A/4 AF KM L	**29304-4000**

Load-changeover switch



Application
Load-changeover switches of type FMU (FMUN) connect one consumer with either of two power sources (e. g. grid or back-up power supply). The switching function of the devices is 1 – 0 – 2*. In position 1, the consumer is connected to grid supply. In position 2, it is connected to a back-up power supply. In position 0, the consumer is completely isolated from the power sources. Thanks to the visible disconnection, the load-changeover switch complies with fuse-switch requirements.

Areas of use
Telecommunications, railroad systems, utility applications, hospitals, radio stations, airports, transport services, etc.

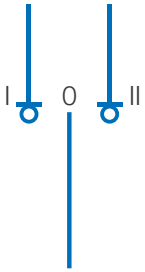
Scope of supply
Devices are supplied with handle and face plate.

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Accessories for load-changeover switches, 3 and 4-pole, 63 – 2000 A, type FMU (FMUN)

Designation	Poles	Amps	PU	Product designation	Order no.
Door coupling + shaft extension		63-250	1	TKV-WV FWA160/FMU250 200MM	**36509-0010**
Door coupling + shaft extension	3 + 4	300-500	1	TKV-DG 245 WV-1250 200MM	**36505-0010**
Door coupling + shaft extension	3 + 4	630-1250	1	TKV-DG 355 WV-1250-FMU	**36515-0010**
Door coupling + shaft extension	3 + 4	1600-2000	1	TKV-WV 2000 FMU	**36612-0010**
Terminal cover, single-side	3 + 4	63-160	1	DKLAD 160 FMU	**36503-0010**
Terminal cover, single-side	3 + 4	200-250	1	DKLAD 250 FMU	**36645-0010**
Terminal cover, single-side	3 + 4	300-500	1	DKLAD 500 FMU	**36588-0010**
Terminal cover, single-side	4	630-1250	1	DKLAD 4-1250 FMU	**36651-0010**
Terminal cover, two sides, DKLAD	3	630-1250	1	DKLAD FMU 63-125/3	**36703-0010**
Terminal cover, single-side	3	1600-2000	0	DKLAD 3-2000 FMU	**36694-0010**
Terminal cover, two sides, DKLAD	4	1600-2000	1	KLAD FMU 160-200/4	**45149-0200**

Load-changeover switches, type FMU, steel enclosure, 3 and 4-pole, 63 – 2000 A



Application
Load-changeover switches of type FMU with steel enclosure provide some specific features for the following typical applications:

- Change-over to secondary power supply
- Connection to two power sources
- Switching function 1 – 0 – 2
- Switch for visible disconnection

▶ Technical data, on demand


29300-0410

Enclosure ST-FMU 6-16

Features:
- Dimensions: 300 x 300 x 120 mm
- Terminal opening: 134 x 44 mm
- Degree of protection: IP65
- Utilization category: I_e AC 21B 415V

Designation	Poles	Amps	PU	Product designation	Order no.
ST-FMU 6/3 with screw terminal M6	3	63	1	ST-FMU 6/3-U0 63A/3 AF KM GS L	**29300-0410**
ST-FMU 8/3 with screw terminal M6	3	80	1	ST-FMU 8/3-U0 80A/3 AF KM GS L	**29300-0510**
ST-FMU 10/3 with screw terminal M6	3	100	1	ST-FMU 10/3-U0 100A/3 AF KM GS L	**29300-0610**
ST-FMU 12/3 with screw terminal M6	3	125	1	ST-FMU 12/3-U0 125A/3 AF KM GS L	**29300-0710**
ST-FMU 16/3 with screw terminal M8	3	160	1	ST-FMU 16/3-U0 160A/3 AF KM GS L	**29300-0810**
ST-FMU 6/4 with screw terminal M6	4	63	1	ST-FMU 6/4-U0 63A/4 AF KM GS L	**29304-0410**
ST-FMU 8/4 with screw terminal M6	4	80	1	ST-FMU 8/4-U0 80A/4 AF KM GS L	**29304-0510**
ST-FMU 10/4 with screw terminal M6	4	100	1	ST-FMU 10/4-U0 100A/4 AF KM GS L	**29304-0610**
ST-FMU 12/4 with screw terminal M6	4	125	1	ST-FMU 12/4-U0 125A/4 AF KM GS L	**29304-0710**
ST-FMU 16/4 with screw terminal M8	4	160	1	ST-FMU 16/4-U0 160A/4 AF KM GS L	**29304-0810**


29320-0910

Enclosure ST-FMUN 20-25

Features:
- Dimensions: 300 x 400 x 210 mm
- Terminal opening: 234 x 48 mm
- Degree of protection: IP65
- Utilization category: I_e AC 21B 415V

Designation	Poles	Amps	PU	Product designation	Order no.
ST-FMUN 20/3 with screw terminal M10	3	200	1	ST-FMUN 20/3-U0 200A/3 KM AF GS L	**29320-0910**
ST-FMUN 25/3 with screw terminal M10	3	250	1	ST-FMUN 25/3-U0 250A/3 KM AF GS L	**29320-1010**
ST-FMUN 20/4 with screw terminal M10	4	200	1	ST-FMUN 20/4-U0 200A/4 KM AF GS L	**29324-0910**
ST-FMUN 25/4 with screw terminal M10	4	250	1	ST-FMUN 25/4-U0 250A/4 KM AF GS L	**29324-1010**

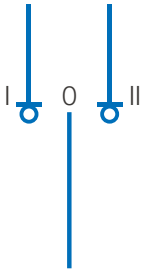

29320-1110

Enclosure ST-FMUN 30-50

Features:
- Dimensions: 380 x 600 x 210 mm
- Terminal opening: 303 x 65 mm
- Degree of protection: IP65
- Utilization category: I_e AC 21B 415V

Designation	Poles	Amps	PU	Product designation	Order no.
ST-FMUN 30/3 with screw terminal M10	3	300	1	ST-FMUN 30/3-U0 300A/3 KM AF GS L	**29320-1110**
ST-FMUN 40/3 with screw terminal M10	3	400	1	ST-FMUN 40/3-U0 400A/3 KM AF GS L	**29320-1310**
ST-FMUN 50/3 with screw terminal M10	3	500	1	ST-FMUN 50/3-U0 500A/3 KM AF GS L	**29320-1410**
ST-FMUN 30/4 with screw terminal M10	4	300	1	ST-FMUN 30/4-U0 300A/4 KM AF GS L	**29324-1110**
ST-FMUN 40/4 with screw terminal M10	4	400	1	ST-FMUN 40/4-U0 400A/4 KM AF GS L	**29324-1310**
ST-FMUN 50/4 with screw terminal M10	4	500	1	ST-FMUN 50/4-U0 500A/4 KM AF GS L	**29324-1410**

Load-changeover switches, type FMU, steel enclosure, 3 and 4-pole, 63 – 2000 A



Application
Load-changeover switches of type FMU with steel enclosure provide some specific features for the following typical applications:

- Change-over to secondary power supply
- Connection to two power sources
- Switching function 1 – 0 – 2
- Switch for visible disconnection

▶ Technical data, on demand



29300-1510

Enclosure ST-FMUN 63-125

Features:
- Dimensions: 500 x 700 x 250 mm
- Terminal opening: 303 x 114 mm
- Degree of protection: IP65
- Utilization category: I_e AC 21B 415V

Designation	Poles	Amps	PU	Product designation	Order no.
ST-FMU 63/3 with screw terminal M12	3	630	1	ST-FMU 63/3-U0 630A/3 AF KM L	**29300-1510**
ST-FMU 80/3 with screw terminal M12	3	800	1	ST-FMU 80/3-U0 800A/3 AF KM GS L	**29300-1610**
ST-FMU 100/3 with screw terminal M12	3	1000	1	ST-FMU 100/3-U0 1000A/3 AF KM GS L	**29300-1710**
ST-FMU 125/3 with screw terminal M12	3	1250	1	ST-FMU 125/3-U0 1250A/3 AF KM GS L	**29300-1810**
ST-FMU 63/4 with screw terminal M12	4	630	1	ST-FMU 63/4-U0 630A/4 AF KM GS L	**29304-1510**
ST-FMU 80/4 with screw terminal M12	4	800	1	ST-FMU 80/4-U0 800A/4 AF KM GS L	**29304-1610**
ST-FMU 100/4 with screw terminal M12	4	1000	1	ST-FMU 100/4-U0 1000A/4 AF KM GS L	**29304-1710**
ST-FMU 125/4 with screw terminal M12	4	1250	1	ST-FMU 125/4-U0 1250A/4 AF KM GS L	**29304-1810**



29300-1910

Enclosure ST-FMUN 160-200

Features:
- Dimensions: 760 x 760 x 300 mm
- Terminal opening: 303 x 114 mm
- Degree of protection: IP65
- Utilization category: I_e AC 21B 415V

Designation	Poles	Amps	PU	Product designation	Order no.
ST-FMU 160/3 with screw terminal M12	3	1600	1	ST-FMU 160/3-U0 1600A/3 AF KM GS L	**29300-1910**
ST-FMU 200/3 with screw terminal M12	3	2000	1	ST-FMU 200/3-U0 2000A/3 AF KM GS L	**29300-2010**
ST-FMU 160/4 with screw terminal M12	4	1600	1	ST-FMU 160/4-U0 1600A/4 AF KM GS L	**29304-1910**
ST-FMU 200/4 with screw terminal M12	4	2000	1	ST-FMU 200/4-U0 2000A/4 AF KM GS L	**29304-2010**

▶ Technical data, on demand

Accessories FMU ST

Designation	Poles	Amps	PU	Product designation	Order no.
Switch position indicator for pos. 1 and 2		63-250	1	HILFSSCHALTER 1S1Ö FMU 63-250A	**36659-0010**
Switch position indicator for pos. 1 and 2		300-1250	1	HILFSSCHALTER 1S1Ö FMU 1250A	**36665-0010**
Switch position indicator for pos. 1 and 2		1600-2000	1		**36625-0010**
Terminal cover, single-side	3 + 4	63-160	1	DKLAD 160 FMU	**36503-0010**
Terminal cover, single-side	3 + 4	200-250	1	DKLAD 250 FMU	**36645-0010**
Terminal cover, single-side	3 + 4	300-500	1	DKLAD 500 FMU	**36588-0010**
Terminal cover, single-side	4	630-1250	1	DKLAD 4-1250 FMU	**36651-0010**
Terminal cover, single-side	4	800-1250	1	DKLAD 4-1250	**36587-0010**
Terminal cover, single-side	3	1600-2000	0	DKLAD 3-2000 FMU	**36694-0010**

Master and emergency switches

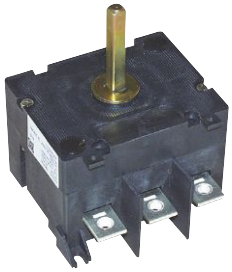


Application
Master and emergency switches of type HSWA are especially suitable for use in machine controls and control cabinets. Due to their exceptional technical properties, they comply with any requirement for repair and service switches or crane master switches. They feature a motor-breaking capacity of AC 23 (switching of motors and other highly inductive loads).

Areas of use
- Enclosed systems
- Machine tools
- Factory-built assemblies of switchgear

Scope of supply
Devices are supplied complete with padlockable handle, front cover, door coupling with latch, and shaft extension with single-side terminal cover.

▶ Technical data, page 263



29160-1000

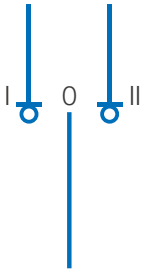
Master and emergency switches, 3 and 4-pole, 250 – 1250 A, type HSWA

Designation	Poles	Amps	PU	Product designation	Order no.
Master and emergency switch	3	250	1	HSWA 25/3K-A 250A/3 AF KW L	**29160-1000**
Master and emergency switch	3	315	1	HSWA 30/3K-A 315A/3 AF KW L	**29160-1200**
Master and emergency switch	3	400	1	HSWA 40/3K-A 400A/3 AF KW L	**29160-1300**
Master and emergency switch	3	500	1	HSWA 50/3K-A 500A/3 AF KW L	**29160-1400**
Master and emergency switch	3	630	1	HSWA 63/3K-A 630A/3 AF KW L	**29160-1500**
Master and emergency switch	3	800	1	HSWA 80/3-A 800A/3 AF KW L	**29160-1600**
Master and emergency switch	3	1000	1	HSWA 100/3-A 1000A/3 AF KW L	**29160-1700**
Master and emergency switch	3	1250	1	HSWA 125/3-A 1250A/3 AF KW L	**29160-1800**
Master and emergency switch	4	250	1	HSWA 25/4K	**29164-1000**
Master and emergency switch	4	315	1	HSWA 30/4K	**29164-1200**
Master and emergency switch	4	400	1	HSWA 40/4K	**29164-1300**
Master and emergency switch	4	500	1	HSWA 50/4K	**29164-1400**
Master and emergency switch	4	630	1	HSWA 63/4K	**29164-1500**
Master and emergency switch	4	800	1	HSWA 80/4K	**29164-1600**
Master and emergency switch	4	1250	1	HSWA 125/4K	**29164-1800**

Accessories for master and emergency switches, 3 and 4-pole, 250 – 1250 A, type HSWA

Designation	Poles	Amps	PU	Product designation	Order no.
Terminal cover, single-side	3	63-100	1	KLAD FWA 8/3K	**31828-0200**
Terminal cover, single-side	4	63-100	1	KLAD FWA 8/4K	**31828-0100**
Terminal cover, single-side	3 + 4	125-200	1	KLAD-160	**36573-0010**
Terminal cover, single-side	3 + 4	250-630	1	KLAD-630	**36658-0010**
Aux. switch 1 NO / 1 NC in position 1	3 + 4	250-630	1	HILFSSCHALTER 1S1Ö 630A	**36516-0010**
Aux. switch 1 NO / 1 NC in position 1	3 + 4	800-1250	1	HILFSSCHALTER 1S1Ö FWA 1250A	**36504-0010**

Bypass switches

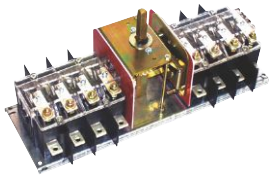


Application
Bypass switches of type FMU BY1 (FMUN BY1) connect one consumer with either of two power sources (e. g. grid or back-up power supply). The switching function of the devices is 1 – 0 – 2*. In position 1, the consumer is connected to grid supply. In position 2, it is connected to a back-up power supply. In position 0, the consumer is completely isolated from the power sources. Thanks to the visible disconnection, the bypass switch complies with fuse-switch requirements.

Areas of use
Telecommunications, railroad systems, utility applications, hospitals, radio stations, airports, transport services, etc.

Scope of supply
Devices are supplied with handle and face plate.

▶ Technical data, page 258


29360-0400

Bypass switches, 3 and 4-pole, 63 – 800 A; Type FMU BY 1 (FMUN BY1)

Designation	Poles	Amps	PU	Product designation	Order no.
Bypass switch	3	63	1	FMU BY1-6/3-U0 63A/3 AF KM BY L	**29360-0400**
Bypass switch	3	80	1	FMU BY1-8/3-U0 80A/3 AF KM BY L	**29360-0500**
Bypass switch	3	100	1	FMU BY1-10/3-U0 100A/3 AF KM BY L	**29360-0600**
Bypass switch	3	125	1	FMU BY1-12/3-U0 125A/3 AF KM BY L	**29360-0700**
Bypass switch	3	160	1	FMU BY1-16/3-U0 160A/3 AF KM BY L	**29360-0800**
Bypass switch	3	200	1	FMUN BY1-20/3-U0 200A/3 AF KM BY L	**29360-0900**
Bypass switch	3	250	1	FMUN BY1-25/3-U0 250A/3 AF KM BY L	**29360-1000**
Bypass switch	3	300	1	FMU BY1-30/3-U0 300A/3 AF KM BY L	**29360-1100**
Bypass switch	3	400	1	FMU BY1-40/3-U0 400A/3 AF KM BY L	**29360-1300**
Bypass switch	3	500	1	FMU BY1-50/3-U0 500A/3 AF KM BY L	**29360-1400**
Bypass switch	3	630	1	FMU BY1-63/3-U0 630A/3 AF KM BY L	**29360-1500**
Bypass switch	3	800	1	FMU BY1-80/3-U0 800A/3 AF KM BY L	**29360-1600**
Bypass switch	3	1000	1	FMU BY1-100/3-U0 1000A/3 AF KM BY L	**29360-1700**
Bypass switch	3	1250	1	FMU BY1-125/3-U0 1250A/3 AF KM BY L	**29360-1800**
Bypass switch	3	1600	1	FMU BY1-160/3-U0 1600A/3 AF KM BY L	**29360-1900**
Bypass switch	3	2000	1	FMU BY1-200/3-U0 2000A/3 AF KM BY L	**29360-2000**
Bypass switch	4	63	1	FMU BY1-6/4-U0 63A/4 AF KM BY L	**29364-0400**
Bypass switch	4	80	1	FMU BY1-8/4-U0 80A/4 AF KM BY L	**29364-0500**
Bypass switch	4	100	1	FMU BY1-10/4-U0 100A/4 AF KM BY L	**29364-0600**
Bypass switch	4	125	1	FMU BY1-12/4-U0 125A/4 AF KM BY L	**29364-0700**
Bypass switch	4	160	1	FMU BY1-16/4-U0 160A/4 AF KM BY L	**29364-0800**
Bypass switch	4	200	1	FMUN BY1-20/4-U0 200A/4 AF KM BY L	**29364-0900**
Bypass switch	4	250	1	FMUN BY1-25/4-U0 250A/4 AF KM BY L	**29364-1000**
Bypass switch	4	300	1	FMUN BY1-30/4-U0 300A/4 AF KM BY L	**29364-1100**
Bypass switch	4	400	1	FMUN BY1-40/4-U0 400A/4 AF KM BY L	**29364-1300**
Bypass switch	4	500	1	FMU BY1-50/4-U0 500A/4 AF KM BY L	**29364-1400**
Bypass switch	4	630	1	FMU BY1-63/4-U0 630A/4 AF KM BY L	**29364-1500**
Bypass switch	4	800	1	FMU BY1-80/4-U0 800A/4 AF KM BY L	**29364-1600**
Bypass switch	4	1000	1	FMU BY1-100/4-U0 1000A/4 AF KM BY L	**29364-1700**
Bypass switch	4	1250	1	FMU BY1-125/4-U0 1250A/4 AF KM BY L	**29364-1800**
Bypass switch	4	1600	1	FMU BY1-160/4-U0 1600A/4 AF KM BY L	**29364-1900**
Bypass switch	4	2000	1	FMU BY1-200/4-U0 2000A/4 AF KM BY L	**29364-2000**

Accessories for bypass switches, 3 and 4-pole, 63 – 800 A; Type FMU BY 1 (FMUN BY1)

Designation	Poles	Amps	PU	Product designation	Order no.
TKV-WV 200 MM SILA1			1	TKV-WV 200MM SILA1	**36540-0010**
Door coupling + shaft extension	3 + 4	300-500	1	TKV-DG 245 WV-1250 200MM	**36505-0010**
Door coupling + shaft extension	3 + 4	1600-2000	1	TKV-WV 2000 FMU	**36612-0010**
Terminal cover, single-side	3 + 4	63-160	1	DKLAD 160 FMU	**36503-0010**
Terminal cover, single-side	3 + 4	200-250	1	DKLAD 250 FMU	**36645-0010**
Terminal cover, single-side	3 + 4	300-500	1	DKLAD 500 FMU	**36588-0010**
Terminal cover, single-side	4	630-1250	1	DKLAD 4-1250 FMU	**36651-0010**
Terminal cover, two sides, DKLAD	3	630-1250	1	DKLAD FMU 63-125/3	**36703-0010**
Terminal cover, single-side	3	1600-2000	0	DKLAD 3-2000 FMU	**36694-0010**
Terminal cover, two sides, DKLAD	4	1600-2000	1	KLAD FMU 160-200/4	**45149-0200**
Door coupling + shaft extension	3 + 4	630-1250	1	TKV-DG 355 WV-1250-FMU	**36515-0010**

Load-changeover switch
3 and 4-pole, type FMU (FMUN)

Type FMU BY1 (FMUN BY1): 63 – 800 A / AC21B 415 V

Type	Outer dimensions W x H x D in mm	Order no. TKV-WV Door coupling + shaft ext.	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_A C21B 415 V	Poles	Max. conductor cross-section	Order no.
FMU BY1-6/3	352x150x110	36540-0010	2x36503-0010	63A	63A	3	25 mm²	**29360-0400**
FMU BY1-6/4	352x150x110	36540-0010	2x36503-0010	63A	63A	4	25 mm²	**29364-0400**
FMU BY1-8/3	352x150x110	36540-0010	2x36503-0010	80A	80A	3	25 mm²	**29360-0500**
FMU BY1-8/4	352x150x110	36540-0010	2x36503-0010	80A	80A	4	25 mm²	**29364-0500**
FMU BY1-10/3	352x150x110	36540-0010	2x36503-0010	100A	100A	3	25 mm²	**29360-0600**
FMU BY1-10/4	352x150x110	36540-0010	2x36503-0010	100A	100A	4	25 mm²	**29364-0600**
FMU BY1-12/3	352x150x110	36540-0010	2x36503-0010	125A	125A	3	35 mm²	**29360-0700**
FMU BY1-12/4	352x150x110	36540-0010	2x36503-0010	125A	125A	4	35 mm²	**29364-0700**
FMU BY1-16/3	352x218x110	36540-0010	2x36503-0010	160A	160A	3	70 mm²	**29360-0800**
FMU BY1-16/4	352x218x110	36540-0010	2x36503-0010	160A	160A	4	70 mm²	**29364-0800**
FMUN BY1-20/3	474x181x110	36540-0010	2x36645-0010	200A	200A	3	120 mm²	**29360-0900**
FMUN BY1-20/4	474x181x110	36540-0010	2x36645-0010	200A	200A	4	120 mm²	**29364-0900**
FMUN BY1-25/3	474x181x110	36540-0010	2x36645-0010	250A	250A	3	150 mm²	**29360-1000**
FMUN BY1-25/4	474x181x110	36540-0010	2x36645-0010	250A	250A	4	150 mm²	**29364-1000**
FMUN BY1-30/3	570x285x159	36515-0010	2x36588-0010	300A	300A	3	185 mm²	**29360-1100**
FMUN BY1-30/4	570x285x159	36515-0010	2x36588-0010	300A	300A	4	185 mm²	**29364-1100**
FMUN BY1-40/3	570x285x159	36515-0010	2x36588-0010	400A	400A	3	240 mm²	**29360-1300**
FMUN BY1-40/4	570x285x159	36515-0010	2x36588-0010	400A	400A	4	240 mm²	**29364-1300**
FMUN BY1-50/3	570x285x159	36515-0010	2x36588-0010	500A	500A	3	300 mm²	**29360-1400**
FMUN BY1-50/4	570x285x159	36515-0010	2x36588-0010	500A	500A	4	300 mm²	**29364-1400**
FMU BY1-63/3	775x245x200	36515-0010	upon request	630A	upon request	3	2x185 mm²	**29360-1500**
FMU BY1-63/4	945x245x200	36515-0010	2x36651-0010	630A	upon request	4	2x185 mm²	**29364-1500**
FMU BY1-80/3	775x253x200	36515-0010	upon request	800A	upon request	3	2x185 mm²	**29360-1600**
FMU BY1-80/4	945x253x200	36515-0010	2x36651-0010	800A	upon request	4	2x185 mm²	**29364-1600**

Type FMU BY1: 1000 – 2000 A / AC21B 415 V

Type	Outer dimensions W x H x D in mm	Order no. TKV-WV Door coupling + shaft ext.	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_A C21B 415 V	Poles	Max. conductor cross-section	Order no.
FMU BY1-100/3	775x253x200	36515-0010	upon request	1000A	upon request	3	2x240 mm²	**29360-1700**
FMU BY1-100/4	945x253x200	36515-0010	2x36651-0010	1000A	upon request	4	2x240 mm²	**29364-1700**
FMU BY1-125/3	775x253x200	36515-0010	upon request	1250A	upon request	3	2x40x5 mm	**29360-1800**
FMU BY1-125/4	945x253x200	36515-0010	2x36651-0010	1250A	upon request	4	2x40x5 mm	**29364-1800**
FMU BY1-160/3	925x410x255	36612-0010	36694-0010	1600A	upon request	3	2x60x5 mm	**29360-1900**
FMU BY1-160/4	1125x410x255	36612-0010	36587-0010	1600A	upon request	4	2x60x5 mm	**29364-1900**
FMU BY1-200/3	925x410x255	36612-0010	36694-0010	2000A	upon request	3	2x80x5 mm	**29360-2000**
FMU BY1-200/4	1125x410x255	36612-0010	36587-0010	2000A	upon request	4	2x80x5 mm	**29364-2000**

Load-break switches without fuse-links 3 and 4-pole, type FWA

Type FWA: 63 – 630 A / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. TKV-WV Door coupling + shaft ext.	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current I_e AC22B 415 V	Rated operating current I_e AC23B 415 V	Poles	Max. conductor cross-section	Order no.
FWA 6/3K	72x108x 71	36541-0010	31828-0200	63A	63A		3	35 mm²	**29100-0401**
FWA 6/4K	72x 82x 71	36541-0010	31828-0100	63A	upon request		4	35 mm²	**29104-0401**
FWA 8/3K	72x108x 71	36541-0010	31828-0200	80A	80A		3	35 mm²	**29100-0501**
FWA 8/4K	72x 82x 71	36541-0010	31828-0100	80A	upon request		4	35 mm²	**29104-0501**
FWA 10/3K	72x108x 71	36541-0010	31828-0200	100A	100A		3	35 mm²	**29100-0601**
FWA 10/4K	72x 82x 71	36541-0010	31828-0100	100A	upon request		4	35 mm²	**29104-0601**
FWA 12/3K	122x132x 86	36509-0010	36573-0010	125A	125A		3	50 mm²	**29100-0700**
FWA 12/4K	121x145x 84	36509-0010	36573-0010	125A	upon request		4	50 mm²	**29104-0700**
FWA 16/3K	122x132x 86	36509-0010	36573-0010	160A	160A		3	70 mm²	**29100-0800**
FWA 16/4K	121x145x 84	36509-0010	36573-0010	160A	upon request		4	70 mm²	**29104-0800**
FWA 20/3K	122x132x 86	36509-0010	36573-0010	200A	200A		3	150 mm²	**29100-0900**
FWA 20/4K	121x145x 84	36509-0010	36573-0010	200A	upon request		4	150 mm²	**29104-0900**
FWA 25/3K	200x210x118	36680-0010	36658-0010	250A	250A		3	185 mm²	**29100-1000**
FWA 25/4K	208x210x118	36680-0010	36658-0010	250A	upon request		4	185 mm²	**29104-1000**
FWA 30/3K	200x210x118	36680-0010	36658-0010	315A	315A		3	195 mm²	**29100-1200**
FWA 30/4K	208x210x118	36680-0010	36658-0010	315A	upon request		4	195 mm²	**29104-1200**
FWA 40/3K	200x210x118	36680-0010	36658-0010	400A	400A		3	240 mm²	**29100-1300**
FWA 40/4K	208x210x118	36680-0010	36658-0010	400A	upon request		4	240 mm²	**29104-1300**
FWA 50/3K	200x228x118	36680-0010	36658-0010	500A	upon request		3	240 mm²	**29100-1400**
FWA 50/3K	208x232x118	36680-0010	36658-0010	500A	upon request		4	240 mm²	**29104-1400**
FWA 63/3K	200x225x118	36680-0010	36658-0010	630A	630A		3	240 mm²	**29100-1500**
FWA 63/4K	208x232x118	36680-0010	36658-0010	630A	upon request		4	240 mm²	**29104-1500**

Load-break switches without fuse-links 3 and 4-pole, type FWA-HLD

Type FWA-HLD: 250 – 1250 A / AC22B 415 V / AC23B 415 V

Type	Outer dimensions W x H x D in mm	Order no. TKV-WV Door coupling + shaft ext.	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_AC22B 415 V	Rated operating current I_e AC23B 415 V	Poles	Max. conductor cross-section	Order no.
FWA-HLD 25/3K	200x210x118	36680-0010	36658-0010	250A	250A	250A	3	185 mm²	**29110-1000**
FWA-HLD 25/4K	208x210x118	36680-0010	36658-0010	250A	250A	250A	4	185 mm²	**29114-1000**
FWA-HLD 30/3K	200x210x118	36680-0010	36658-0010	300A	300A	250A	3	195 mm²	**29110-1200**
FWA-HLD 30/4K	208x210x118	36680-0010	36658-0010	300A	300A	250A	4	195 mm²	**29114-1200**
FWA-HLD 40/3K	200x210x118	36680-0010	36658-0010	400A	400A	250A	3	240 mm²	**29110-1300**
FWA-HLD 40/4K	208x210x118	36680-0010	36658-0010	400A	400A	250A	4	240 mm²	**29114-1300**
FWA-HLD 50/3K	200x225x118	36680-0010	36658-0010	500A	500A	400A	3	2x150 mm²	**29110-1400**
FWA-HLD 50/4K	208x232x118	36680-0010	36658-0010	500A	500A	400A	4	2x150 mm²	**29114-1400**
FWA-HLD 63/3K	200x225x118	36680-0010	36658-0010	630A	630A	400A	3	2x185 mm²	**29110-1500**
FWA-HLD 63/4K	208x232x118	36680-0010	36658-0010	630A	630A	400A	4	2x185 mm²	**29114-1500**
FWA-HLD 80/3K	280x265x160	36505-0010	36658-0010	800A	800A	500A	3	2x185 mm²	**29110-1600**
FWA-HLD 80/4K	360x265x160	36505-0010	36658-0010	800A	800A	500A	4	2x185 mm²	**29114-1600**
FWA-HLD 100/3	280x265x160	36505-0010	36658-0010	1000A	1000A	500A	3	2x240 mm²	**29110-1700**
FWA-HLD 100/4	360x265x160	36505-0010	36658-0010	1000A	1000A	500A	4	2x240 mm²	**29114-1700**
FWA-HLD 125/3	280x265x160	36505-0010	36658-0010	1250A	1250A	500A	3	2x300 mm²	**29110-1800**
FWA-HLD 125/4	360x265x160	36505-0010	36658-0010	1250A	1250A	500A	4	2x300 mm²	**29114-1800**

Load-break switches without fuse-links
3 and 4-pole, type FAM

Type FAM: 63 – 300 A / AC21B 690 V / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_A C21B 690 V	Rated operating current I_e AC22B 415 V	Poles	Max. conductor cross-section	Order no.
FAM 6/3	114x 95x72	36593-0010 *	integrated in switch	63A	63A	63A	3	25 mm²	**29250-0401**
FAM 8/3	114x 95x72	36593-0010 *	integrated in switch	80A	80A	80A	3	25 mm²	**29250-0501**
FAM 10/3	114x110x72	36593-0010 *	36702-0010	100A	100A	80A	3	70 mm²	**29250-0600**
FAM 12/3	114x110x72	36593-0010 *	36702-0010	125A	125A	80A	3	70 mm²	**29250-0700**
FAM 16/3	114x110x72	36593-0010 *	36702-0010	160A	160A	100A	3	70 mm²	**29250-0800**
FAM 20/3	208x210x94	36596-0010	36506-0010	200A	200A	200A	3	150 mm²	**29250-0900**
FAM 25/3	208x210x94	36596-0010	36506-0010	250A	250A	200A	3	150 mm²	**29250-1000**
FAM 30/3	208x210x94	36596-0010	36506-0010	300A	300A	250A	3	240 mm²	**29250-1100**

* Note: auxiliary contact = 1 C/O

Type	Accessories	Order no.
Clinch nut	Neutral pole for 3-pole + N	**36906-0010**
Lug terminal	Neutral pole for 3-pole + N	**36907-0010**
Box terminal	Neutral pole for 3-pole + N	**36908-0010**

Switch-fuses
3 and 4-pole, type SILA

Type SILA: 63 – 125 A / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_A C22B 415 V	Fuse-link size NH	Poles	Max. conductor cross-section	Order no.
SILA-NH 00-6/3-SE	114x183x72	36593-0010 *	36501-0010	63A	63A	000/00	3	16-70 mm²	**29400-0400**
SILA 00-12/3-SE	114x183x72	36593-0010 *	36501-0010	125A	125A	00	3	16-70 mm²	**29400-0700**

* Note: auxiliary contact = 1 C/O

Type	Accessories	Order no.
Box terminal	Neutral pole for 3-pole + N	**36909-0010**
Lug terminal	Neutral pole for 3-pole + N	**36910-0010**
Clinch nut	Neutral pole for 3-pole + N	**36911-0010**

Switch-fuses
3 and 4-pole, type SILAD-NH

Type SILAD-NH: 63 – 630 A / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie $_A$C22B 415 V	Fuse-link size NH	Poles	Max. conductor cross-section	Order no.
SILAD 00-6/3-SE	120x140x140	upon request	36507-0010	63A	63A	000/00	3	16- 70 mm²	**29410-0400**
SILAD 00-12/3-SE	120x140x140	upon request	36507-0010	125A	125A	00	3	16- 70 mm²	**29410-0700**
SILAD 1-25/3-SE	208x210x145	upon request	36506-0010	250A	250A	1	3	50-150 mm²	**29400-1000**
SILAD 1-25/3+N-SE	208x210x145	upon request	36506-0010	250A	250A	1	3+N	50-150 mm²	**29403-1000**
SILAD 2-40/3-SE	256x160x195	upon request	36589-0010	400A	400A	2	3	95-240 mm²	**29420-1300**
SILAD 2-40/3+N-SE	256x160x195	upon request	36589-0010	400A	400A	2	3+N	95-240 mm²	**29423-1300**
SILAD 3-63/3-SE	324x238x230	upon request	36591-0010	630A	630A	3	3	120-300 mm²	**29420-1500**
SILAD 3-63/3+N-	324x238x230	upon request	36591-0010	630A	630A	3	3+N	120-300 mm²	**29423-1500**

Type	Accessories	Order no.
Clinch nut	Neutral pole for 3-pole + N	**36906-0010**
Lug terminal	Neutral pole for 3-pole + N	**36907-0010**
Box terminal	Neutral pole for 3-pole + N	**36908-0010**

Switch-fuses
3 and 4-pole, type SILA-BS

Type SILA: 25 – 125 A / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie $_A$C22B 415 V	Fuse-link sizes according to BS88	Poles	Max. conductor cross-section	Order no.
SILA-BS 2/3	100x134x77	-	Box terminals	25A	25A	F1	3	2,5-25 mm²	**29430-0101**
SILA-BS 3/3	100x134x77	-	Box terminals	32A	32A	F1	3	2,5-25 mm²	**29430-0201**
SILA-BS 6/3	114x202x72	upon request	36501-0010	63A	63A	A3	3	6 -50 mm²	**29430-0400**
SILA-BS 10/3	114x202x72	upon request	36501-0010	100A	100A	A3	3	16 -70 mm²	**29430-0600**
SILA-BS 12/3	114x202x72	upon request	36501-0010	125A	125A	A4	3	16 -70 mm²	**29430-0700**

Type	Accessories	Order no.
Clinch nut	Neutral pole for 3-pole + N	**36906-0010**
Lug terminal	Neutral pole for 3-pole + N	**36907-0010**
Box terminal	Neutral pole for 3-pole + N	**36908-0010**

Switch-fuses
3 and 4-pole, type SILAD-BS

Type SILAD-BS: 25 – 300 A / AC22B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie $_A$C22B 415 V	Fuse-link sizes according to BS88	Poles	Max. conductor cross-section	Order no.
SILAD-BS 2/3	114x 95x 98	-	Box terminals	25A	25A	A1	3	6- 25 mm²	**29440-0101**
SILAD-BS 3/3	114x 95x 98	-	Box terminals	32A	32A	A1	3	6- 25 mm²	**29440-0201**
SILAD-BS 6/3	114x 95x 98	upon request	36507-0010	63A	63A	A3	3	6- 25 mm²	**29440-0400**
SILAD-BS 10/3	114x 95x 98	upon request	36507-0010	100A	100A	A3	3	16- 70 mm²	**29440-0600**
SILAD-BS 12/3	114x 95x 98	upon request	36507-0010	125A	125A	B2	3	25- 70 mm²	**29440-0700**
SILAD-BS 16/3	208x210x125	36596-0010	36506-0010	160A	160A	B2	3	25- 70 mm²	**29440-0800**
SILAD-BS 20/3	208x210x125	36596-0010	36506-0010	200A	200A	B2	3	35- 95 mm²	**29440-0900**
SILAD-BS 25/3	208x210x125	36596-0010	36506-0010	250A	250A	B3	3	50-150 mm²	**29440-1000**
SILAD-BS 30/3	208x210x125	36596-0010	36506-0010	300A	300A	B3	3	70-185 mm²	**29440-1100**

Type	Accessories	Order no.
Clinch nut	Neutral pole for 3-pole + N	**36906-0010**
Lug terminal	Neutral pole for 3-pole + N	**36907-0010**
Box terminal	Neutral pole for 3-pole + N	**36908-0010**

Load-changeover switches
3 and 4-pole, type FMU (FMUN)

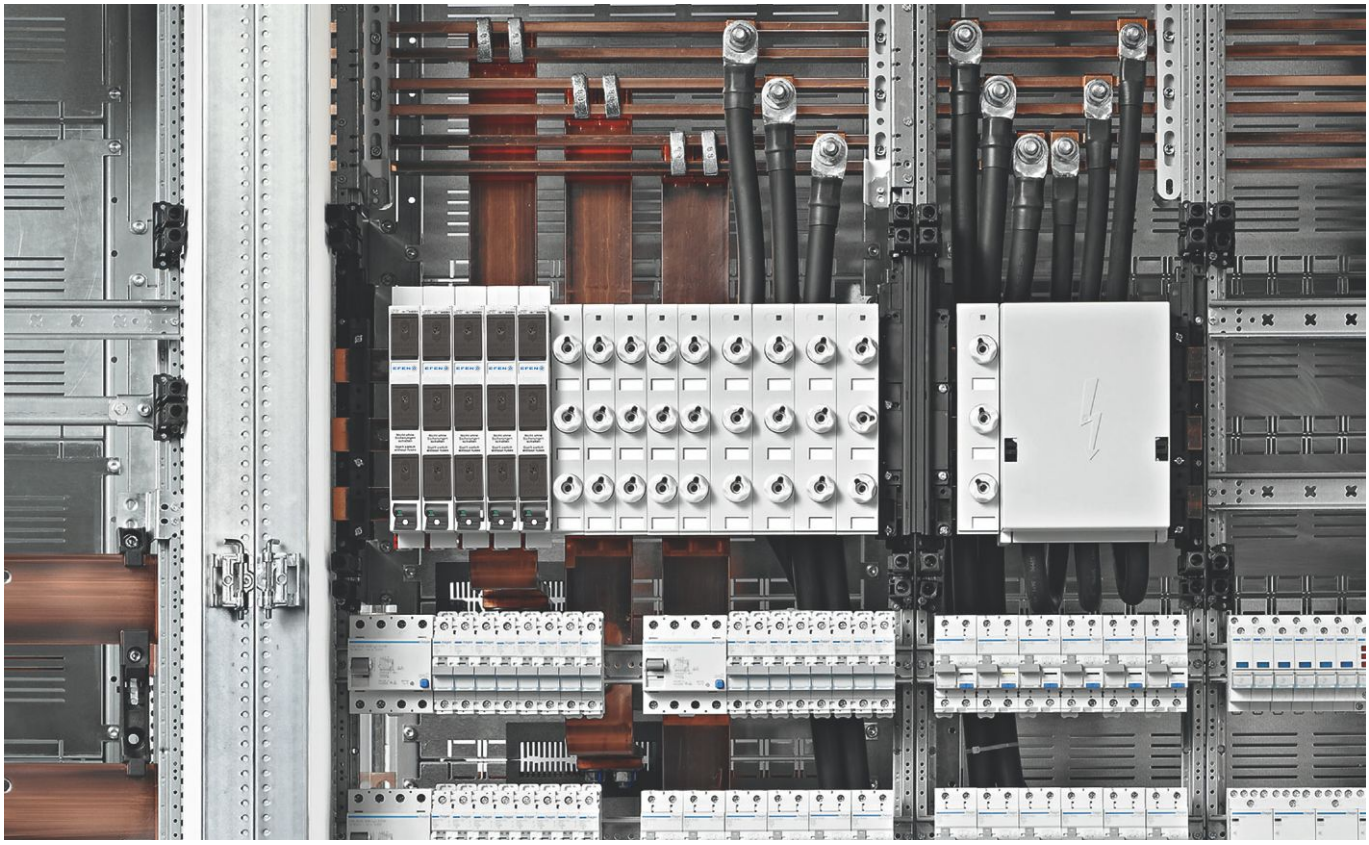
Type FMU (FMUN): 63 – 800A / AC21B 415 V

Type	Outer dimensions W x H x D in mm	Order no. TKVWV Door coupling + shaft ext.	Order no. KLAD Terminal cover	Rated uninterrupted current I_U	Rated operating current Ie $_A$C21B 415 V	Poles	Max. conductor cross-section	Order no.
FMU 6/3	189x150x 98	36509-0010	36503-0010	63A	63A	3	25 mm²	**29300-0400**
FMU 6/4	189x150x 98	36509-0010	36503-0010	63A	63A	4	25 mm²	**29304-0400**
FMU 8/3	189x150x 98	36509-0010	36503-0010	80A	80A	3	25 mm²	**29300-0500**
FMU 8/4	189x150x 98	36509-0010	36503-0010	80A	80A	4	25 mm²	**29304-0500**
FMU 10/3	189x150x 98	36509-0010	36503-0010	100A	100A	3	25 mm²	**29300-0600**
FMU 10/4	189x150x 98	36509-0010	36503-0010	100A	100A	4	25 mm²	**29304-0600**
FMU 12/3	189x150x 98	36509-0010	36503-0010	125A	125A	3	35 mm²	**29300-0700**
FMU 12/4	189x150x 98	36509-0010	36503-0010	125A	125A	4	35 mm²	**29304-0700**
FMU 16/3	189x150x 98	36509-0010	36503-0010	160A	160A	3	70 mm²	**29300-0800**
FMU 16/4	189x150x 98	36509-0010	36503-0010	160A	160A	4	70 mm²	**29304-0800**
FMUN 20/3	245x181x 95	36509-0010	36645-0010	200A	200A	3	120 mm²	**29320-0900**
FMUN 20/4	245x181x 95	36509-0010	36645-0010	200A	200A	4	120 mm²	**29324-0900**
FMUN 25/3	245x181x 95	36509-0010	36645-0010	250A	250A	3	150 mm²	**29320-1000**
FMUN 25/4	245x181x 95	36509-0010	36645-0010	250A	250A	4	150 mm²	**29324-1000**
FMUN 30/3	286x285x143	36505-0010	36588-0010	300A	300A	3	185 mm²	**29320-1100**
FMUN 30/4	286x285x143	36505-0010	36588-0010	300A	300A	4	185 mm²	**29324-1100**
FMUN 40/3	286x285x143	36505-0010	36588-0010	400A	400A	3	240 mm²	**29320-1300**
FMUN 40/4	286x285x143	36505-0010	36588-0010	400A	400A	4	240 mm²	**29324-1300**
FMUN 50/3	286x285x143	36505-0010	36588-0010	500A	500A	3	300 mm²	**29320-1400**
FMUN 50/4	286x285x143	36505-0010	36588-0010	500A	500A	4	300 mm²	**29324-1400**
FMU 63/3	390x245x180	36515-0010	36703-0010	630A	630A	3	2x185 mm²	**29300-1500**
FMU 63/4	475x245x180	36515-0010	36651-0010	630A	630A	4	2x185 mm²	**29304-1500**
FMU 80/3	390x253x180	36515-0010	36703-0010	800A	800A	3	2x185 mm²	**29300-1600**
FMU 80/4	475x253x180	36515-0010	36651-0010	800A	800A	4	2x185 mm²	**29304-1600**

Master and emergency switches
3 and 4-pole, type HSWA

Type HSWA: 205 – 630 A / AC22B 415 V / AC23B 415 V

Type	Outer dimensions W x H x D in mm	Order no. H1S1O Aux. switch 1 NO / 1 NC in pos. 1	Order no. KLAD Terminal cover, single-side	Rated uninterrupted current I_U	Rated operating current Ie_AC22B 415V	Rated operating current I_e AC23B 415V	Poles	Max. conductor cross-section	Order no.
HSWA 25/3K	200x210x118	36516-0010	36538-0010	250A	250A	250A	3	185 mm²	**29160-1000**
HSWA 25/4K	208x210x118	36516-0010	36538-0010	250A	upon request	upon request	4	185 mm²	**29164-1000**
HSWA 30/3K	200x210x118	36516-0010	36538-0010	315A	315A	250A	3	195 mm²	**29160-1200**
HSWA 30/4K	208x210x118	36516-0010	36538-0010	315A	upon request	upon request	4	195 mm²	**29164-1200**
HSWA 40/3K	200x210x118	36516-0010	36538-0010	400A	400A	250A	3	240 mm²	**29160-1300**
HSWA 40/4K	208x210x118	36516-0010	36538-0010	400A	upon request	upon request	4	240 mm²	**29164-1300**
HSWA 50/3K	200x225x118	36516-0010	36538-0010	500A	500A	400A	3	2x150 mm²	**29160-1400**
HSWA 50/4K	208x232x118	36516-0010	36538-0010	500A	upon request	upon request	4	2x150 mm²	**29164-1400**
HSWA 63/3K	208x225x118	36516-0010	36538-0010	630A	630A	400A	3	2x185 mm²	**29160-1500**
HSWA 63/4K	208x232x118	36516-0010	36538-0010	630A	upon request	upon request	4	2x185 mm²	**29164-1500**



D0 Fuse-Switches and Fuse-Bases

D0 fuse holders offer protection within the smallest space and, thanks to state-of-the-art engineering, perfectly integrate into future systems.

System
EFEN's D0 series offers proven, state-of-the-art technology with many options. Thanks to their compact design and comprehensive accessories, the products of the D0 series can be used for a wide range of applications.

Features
EFEN fuse material complies with national and international standards and regulations such as DIN, VDE and IEC. Customer-specific versions provide the right solution for all applications.



Load Break Switches / Changeover Switches

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D0 Fuse-Switch
for supporting-rail mounting



D0 Fuse-Switch
for busbar mounting



D0 Fuse-Bases
for baseplate and busbar mounting



D0 Flange-Bases E16 – E33
for door and switchboard installation



D0 Fuse-Switches and Fuse-Bases

▶ Technical data, page 270



56025-0010

D0 Fuse-Switches, horizontal design, for supporting-rail mounting

Designation	PU	Product designation	Order no.
D0-SI-LATR 1P SLT/D02/D01	12	D0-SI-LATR 1P SLT/D02/D01	**56025-0010**
D0-SI-LATR 2P SLT/D02/D01	6	D0-SI-LATR 2P SLT/D02/D01	**56025-0020**
D0-SI-LATR 3P SLT/D02/D01	4	D0-SI-LATR 3P SLT/D02/D01	**56025-0030**
D0-SI-LATR 4P SLT/D02/D01	3	D0-SI-LATR 4P SLT/D02/D01	**56025-0040**
D0-SI-LATR 1P+N SLT/D02/D01	6	D0-SI-LATR 1P+N SLT/D02/D01	**56025-0050**
D0-SI-LATR 3P+N SLT/D02/D01	3	D0-SI-LATR 3P+N SLT/D02/D01	**56025-0060**



56040-0010

D0 Fuse-Switches, vertical design, for busbar mounting – 60 mm system

Designation	PU	Product designation	Order no.
D-LA-LEI 3P 60mm D01/02 10x38	3	D-LA-LEI 3P 60 mm D01/02 10x38	**56040-0010**
D-LA-LEI 3P+N 60mm D01/02 10x38	3	D-LA-LEI 3P+N 60 mm D01/02 10x38	**56040-0020**
D-LA-LEI 3P K 60mm D01/02	4	D-LA-LEI 3P K 60 mm D01/02	**56041-0010**



56000-0010

D Fuse-Base E16 for door or switchboard installation

Features:
- DIN 49336
- 25A / 500 V
- Black molded material, molded lock nut
- Live metal parts made of nickel-plated brass

Designation	PU	Product designation	Order no.
D-SOCK E16	10	D-SOCK E16	**56000-0010**
D-SOCK E16 RU	10	D-SOCK E16 RU	**56000-0030**
D-SOCK E16 RU PL	10	D-SOCK E16 RU PL	**56000-0050**



56001-0010

D Fuse-Base E27 for door or switchboard installation

Features:
- DIN 49337
- 25A / 500 V
- Black molded material, molded lock nut
- Live metal parts made of nickel-plated brass

Designation	PU	Product designation	Order no.
A D-SOCK E27 DII	10	A D-SOCK E27 DII	**56001-0010**
A D-SOCK E27 DII RU	10	A D-SOCK E27 DII RU	**56001-0030**



56002-0010

D Fuse-Base E33 for door or switchboard installation

Features:
- DIN 49339
- 63 A / 690 V
- Black molded material, molded lock nut
- Live metal parts made of nickel-plated brass

Designation	PU	Product designation	Order no.
A D-SOCK E33 DIII	1	A D-SOCK E33 DIII	**56002-0010**
A D-SOCK E33 DIII RU	1	A D-SOCK E33 DIII RU	**56002-0020**

D0 Fuse-Bases

▶ Technical data, page 268



56010-0010

D Fuse-Base E33 for door or switchboard installation

Features:
- DIN 49339, 63 A, 690 V
- Black molded material, molded lock nut
- Live metal parts made of nickel-plated brass

Designation	PU	Product designation	Order no.
D-SOCK E33 DIII 1200V RU	1	D-SOCK E33 DIII 1200V RU	**56010-0020**



56016-0010

D0 Fuse-Base

Features:
- Complies with DIN 49524, VDE 0636/T41, EN 60269, VDE approval, DEMKO
- Rated voltage 400 V ~
- 16 A – 100 A
- Ceramic socket material
- Snaps onto supporting rails acc. to DIN 46277
- With cover cap

Designation	PU	Product designation	Order no.
D-SOCK D01 16A 1P AS	100	D-SOCK D01 16A 1P AS	**56015-0010**
D-SOCK D01 16A 1P AS, W/O CAP AND SPRING	100	D-SOCK D01 16A 1P AS OHNE KAPPE U. FEDER	**56015-0020**
D-SOCK D02 63A 1P S/S	100	D-SOCK D02 63A 1P S/S	**56016-0010**
D-SOCK D02 63A 1P SR/S	100	D-SOCK D02 63A 1P SR/S	**56016-0020**
D-SOCK D02 63A 1P S/-, W/O CAP AND SPRING	100	D-SOCK D02 63A 1P S/- OHNE KAPPE U.FEDER	**56016-0030**
D-SOCK D01 16A 3P AS	100	D-SOCK D01 16A 3P AS	**56018-0010**
D-SOCK D02 63A 3P S/S	100	D-SOCK D02 63A 3P S/S	**56019-0010**
D-SOCK D03 100 A 3P S/S	100	D-SOCK D03 100A 3P S/S	**56020-0010**
D-SOCK D01 16A 3P SIS	100	D-SOCK D01 16A 3P SIS	**56023-0010**



56518-0010

D0 Fuse-Bases for busbar mounting – 60 mm system

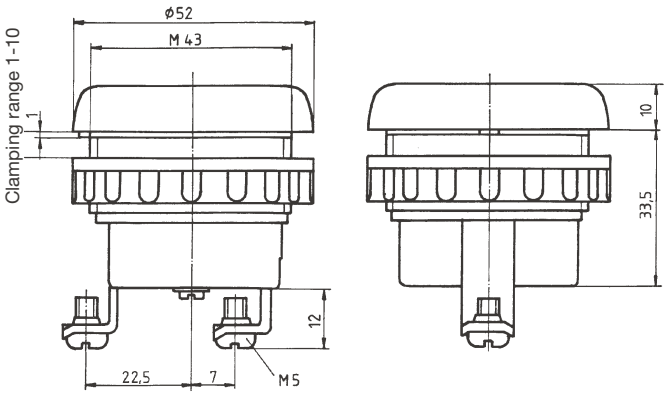
Designation	PU	Product designation	Order no.
D-SOCK E27 SB 3P	10	D-SOCK E27 SB 3P	**56527-0010**
D-SOCK E33 SB 3P	10	D-SOCK E33 SB 3P	**56533-0010**
D-SOCK E18 SB 3P, w/o cover	10	D-SOCK E18 SB 3P ohne Abdeck.	**56518-0010**
D-SOCK E18 SB 3P, 27 mm cover	10	D-SOCK E18 SB 3P Abdeck.27mm	**56518-0110**
D-SOCK E18 SB 3P, 36 mm cover	10	D-SOCK E18 SB 3P Abdeck.36mm	**56518-0210**
D-SOCK E18 SB 3P, 54 mm cover	10	D-SOCK E18 SB 3P Abdeck.54mm	**56518-0310**

D0 accessories

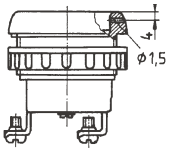
Designation	PU	Product designation	Order no.
D0 REDUCTION SPRING SLT D01 in D02	12	D0-REDUZIERHALTEFEDER SLT D01 in D02	**56025-0900**
Cable routing spacer D-LA-LEI 3P K	40	Kabelf. Abstandh. D-LA-LEI 3P K	**56041-0900**
D-LA-LEI protection against contact 37.5 mm	10	D-LA-LEI Hintergreifschutz 37,5mm	**56040-0900**
D-LA-LEI cover / fuse holder VE3	3	D-LA-LEI Deckel / Sicherungshalter VE3	**56040-0910**

D0 Fuse-Bases

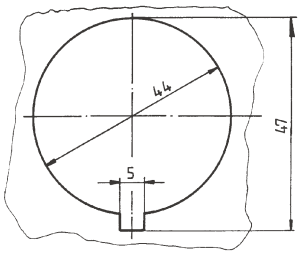
Type 56001-0010



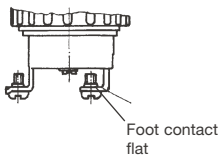
Sealable versions



Mounting hole



Variant with flat foot contact

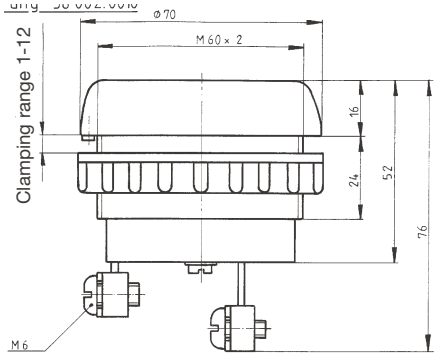


Other types

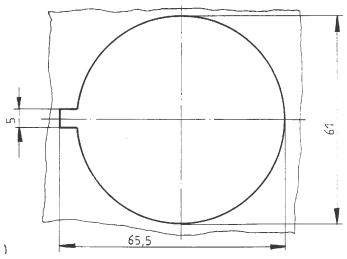
ID number	Rated voltage V	Code
56001-0030	vibration-proof	Ru

D screw caps	56100- ... /56202- ...
D gauge rings	58001- ... /58002- ...
D fuse elements	55000- ... /55001- ...

Type 56002-0010



Mounting hole



Other types

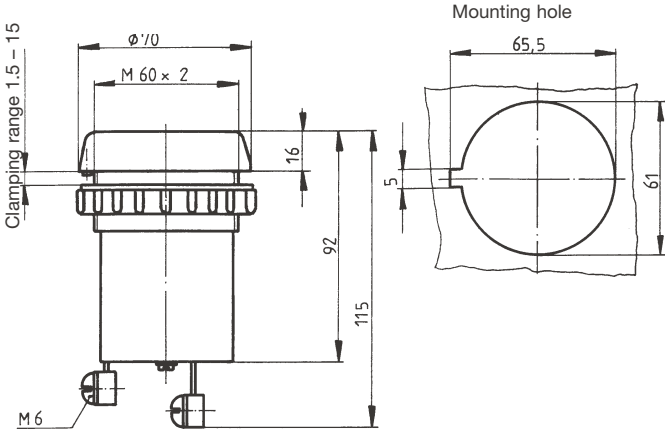
ID number	Rated voltage V	Code
56002-0020	vibration-proof	Ru

For other types please inquire

D gage rings	DIII 58004- ...
D screw caps	DIII 56103- ...

D0 Fuse-Bases

Type 56010-0010



Mounting hole

Other types

ID number	Rated voltage V	Code
56010-0020	vibration-proof	Ru

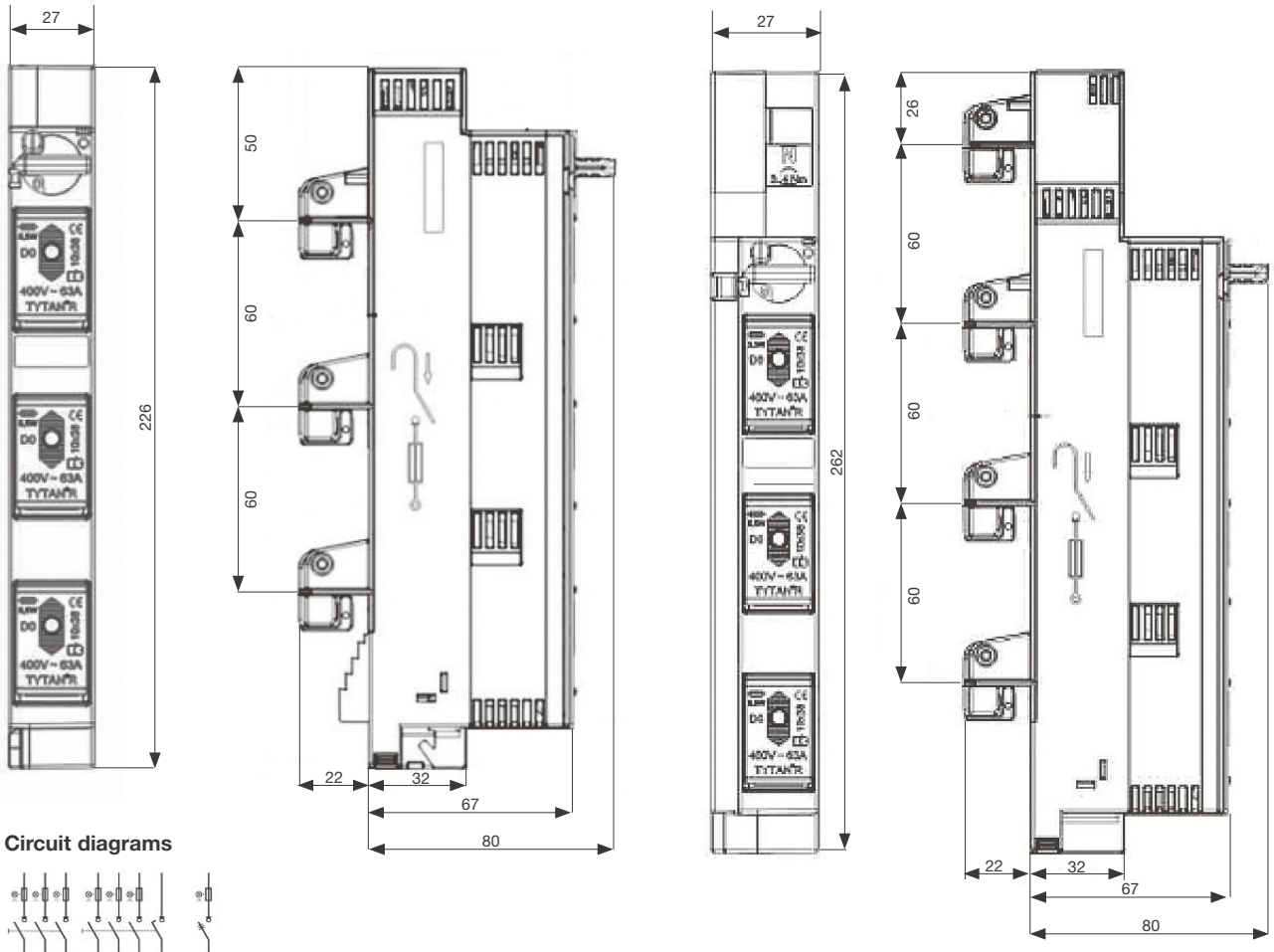
For other types please inquire

D fuse elements	DIII 55002- ...
D gage rings	DIII 58004- ...
D screw caps	DIII 56103- ...

D0 Fuse-Switches, vertical design, with fuse-monitoring

Technical data 56040-0010

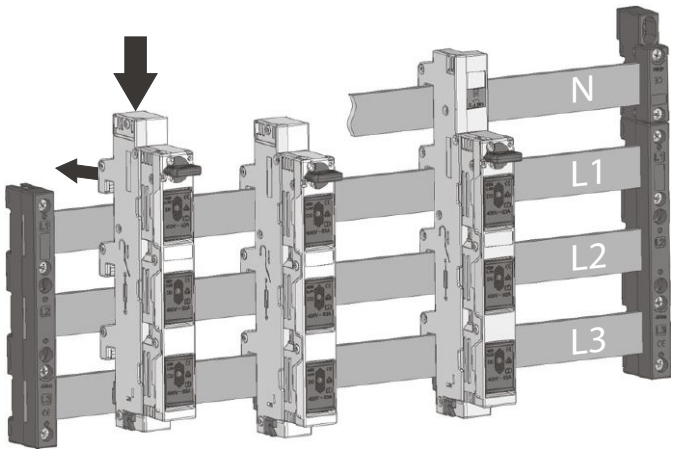
Classification	Switch-fuse
Requirements / Standards	DIN VDE 0638 DIN EN 60947-3; IEC 947-3
Suitable for D0 fuses acc. to DIN 49522	D01; 2, 4, 6, 10, 13, 16 A with reduction spring D02; 20, 25, 32, 35, 40, 50, 63 A
Suitable for cylindrical fuse elements acc. to IEC EN 60269-1	10 x 38 mm: 2 – 32 A with reduction spring
Suitable for gage pieces acc. to DIN 49523	D02: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Number of poles	3-pole, 3-pole + N
Insulation parts	Plastic, free of halogens, phosphorus and silicone
Fire classification / leakage resistance	UL94/V0, filament test 960 °C / CTI600
Degree of protection / protection against contact	IP20 / protects fingers and back of the hand
Rated operating voltage U_e	400 V~
Rated operating current I_e	63 A
Rated uninterrupted current I_e	63 A
Rated short-circuit making-capacity I_{cm}	50 kA_{eff}
Switching category	AC 23B
Overvoltage category	IV (DIN VDE 0110)
Pollution degree	3 (DIN VDE 0110)
Rated impulse withstand-current U_{imp}	6000 V
Terminal connection	Stainless steel terminal 1.5 – 35 mm^2
Tightening torque M_D	4 Nm

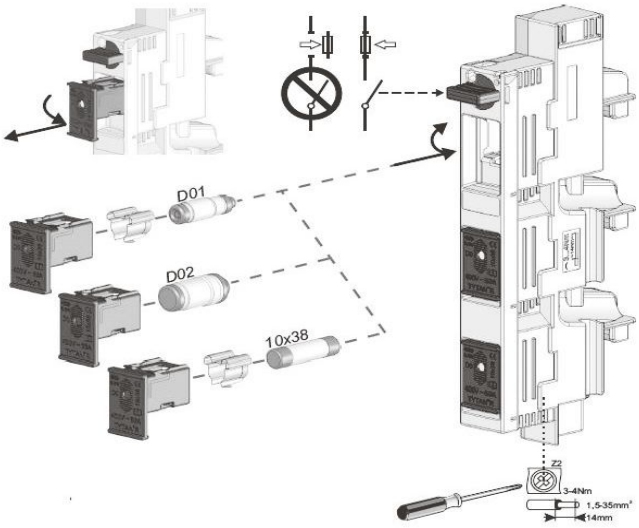


Circuit diagrams

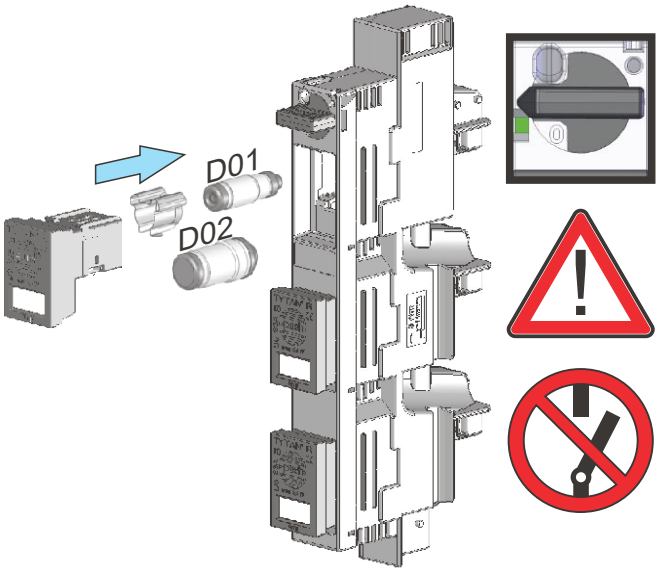
D0 Fuse-Switches, vertical design, with fuse-monitoring

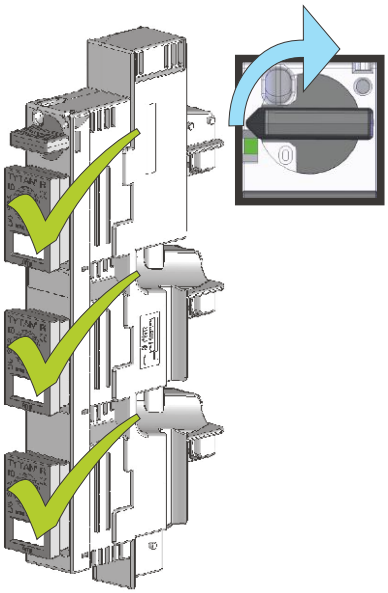
Installation

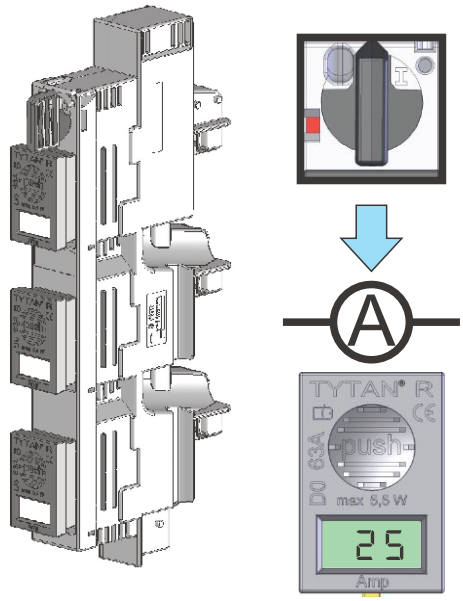


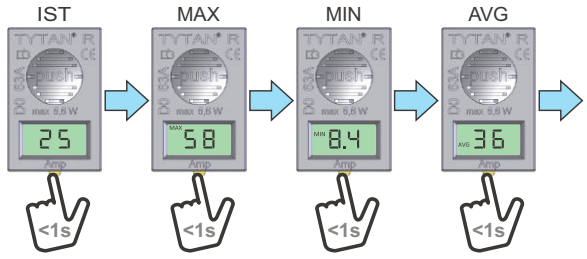


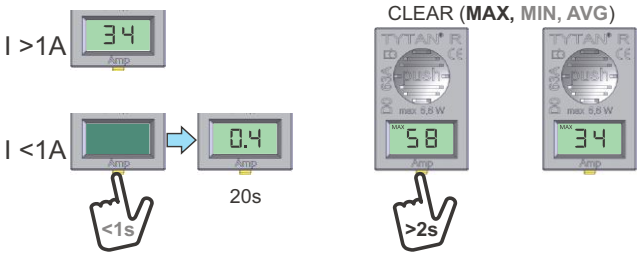
Measurement pin







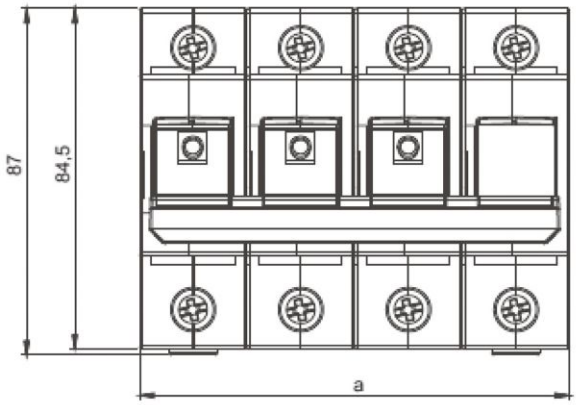


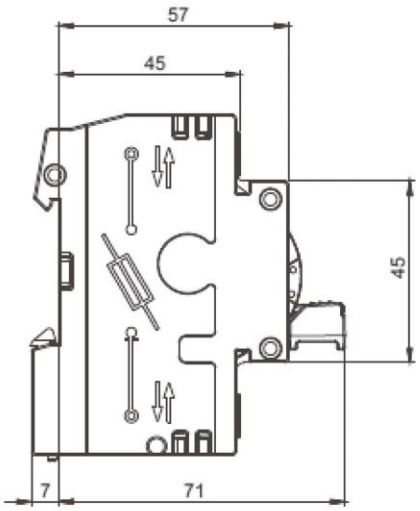


D0 Fuse-Switches, horizontal design, for supporting-rail mounting

Fuse-Switches for supporting rails

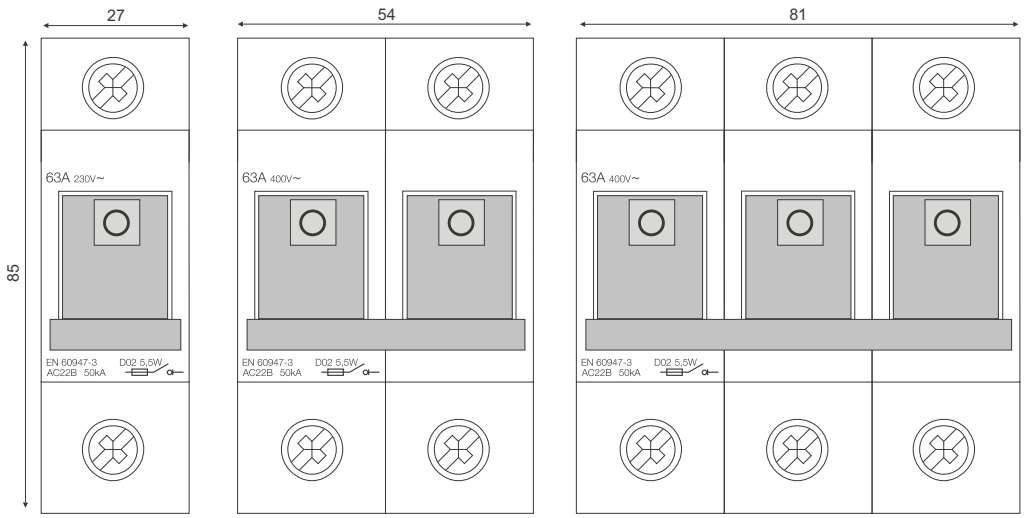
Requirements	DIN VDE 0660 part / Teil 107, EN 60947, IEC 60947-3
	DIN VDE 0636 part / Teil 41, IEC 60269-3
	DIN VDE 0638, DIN VDE 43880
Number of poles	1-pole, 2-pole, 3-pole, 4-pole
Handling	Clip-on system without screw caps
suitable for gL, gG and aM fuses	D01: 2, 4, 6, 10, 16
	D02: 20, 25, 35, 50, 63
Ambient temperature	in storage min./max. -25 °C / +100 °C
	in operation min./max. -25 °C / +60 °C
Fire classification / leakage resistance	UL94/V0, filament test 960 °C / CTI 600
Protection against contact	IP 20
Rated operating voltage Ue	- AC 400V
	DC 1-pole up to 110 V, 2-pole up to 220 V
Rated operational current Ie	63 A
Rated uninterrupted current Ie	63 A
Overvoltage category/pollution degree	IV/3 (DIN VDE 0110)
Rated impulse withstand-current Uimp	6000 V
Rated special voltage AC	440 V, for use with 440 V fuse-links only
Max. heating at Iu and ambient temperature	approx. 25 °C / fuse pin approx. 30 °C, stainless-steel cage terminal
Terminal connection	Cross-sections 1.5 – 35 mm²
Torque	M6 Pozidriv max. 4 Nm
Rated short-circuit making-capacity Icm	Icm= 50 kA_{eff}
Switching category	AC 22B



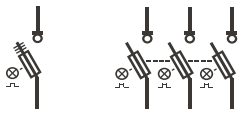


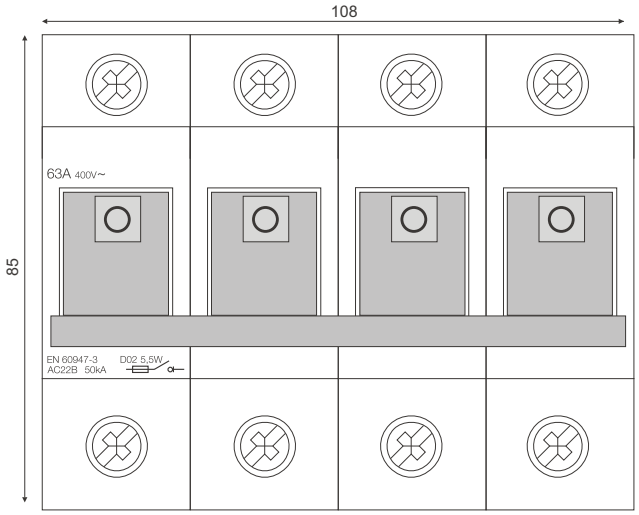
Dimension a	
1-pole	27 mm
2-pole	54 mm
3-pole	81 mm
4-pole	108 mm
1-pole + N	54 mm
3-pole + N	108 mm

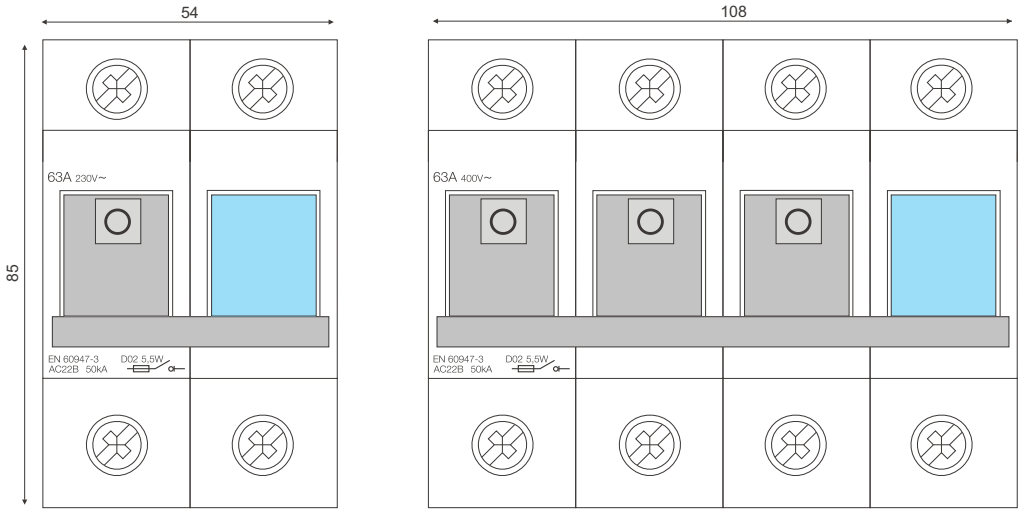
D0 Fuse-Switches, horizontal design, for supporting-rail mounting



Circuit diagrams







The integrated terminal with a cross-section of 1.5 – 35 mm² allows the combined connection of rails up to 16 mm² and lines with end sleeves up to 16 mm². The maximum tightening torque is 4 Nm.

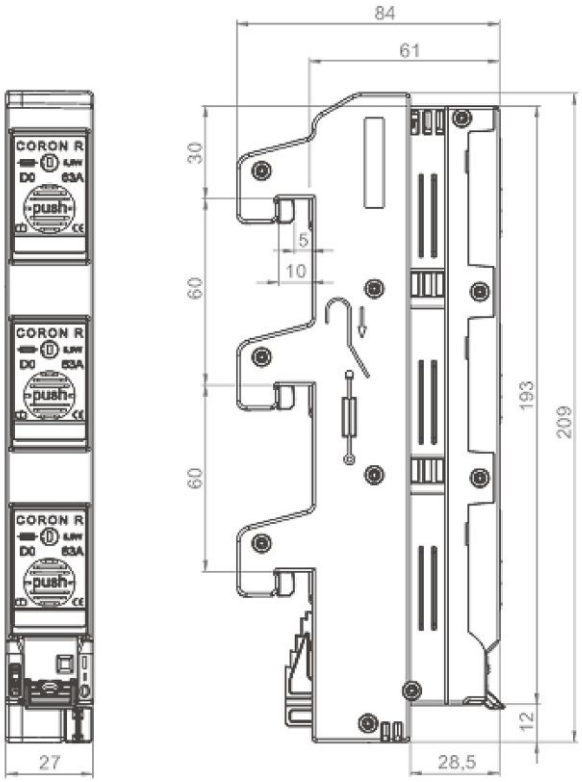
Bending-tested with 16 mm² rails and 16 mm² lines with end sleeves in accordance with DIN/EN 60947-1, paragraph 8.2.4.3.

Pull-tested with 16 mm² rails and 16 mm² lines with end sleeves in accordance with DIN/EN 60947-1, paragraph 8.2.4.4.

D0 Fuse-Switches, vertical design, for 60 mm busbar mounting, short version

Technical data 56041-0010

Classification	Switch-fuse
Requirements / Standards	DIN VDE 0638 DIN EN 60947-3; IEC 947-3
Suitable for D0 fuses acc. to DIN 49522	D01; 2, 4, 6, 10, 13, 16 A with reduction spring D02; 20, 25, 32, 35, 40, 50, 63 A
Suitable for cylindrical fuse elements acc. to IEC EN 60269-1	10 x 38 mm: 2 – 32 A with reduction spring
Suitable for gage pieces acc. to DIN 49523	D02: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Number of poles	3-pole, 3-pole + N
Insulation parts	Plastic, free of halogens, phosphorus and silicone
Fire classification / leakage resistance	UL94/V0, filament test 960 °C / CTI600
Degree of protection / protection against contact	IP20 / protects fingers and back of the hand
Rated operating voltage U_e	400 V~
Rated operating current I_e	63 A
Rated uninterrupted current I_e	63 A
Rated short-circuit making-capacity I_{cm}	50 kA_{eff}
Switching category	AC 22B
Overvoltage category	IV (DIN VDE 0110)
Pollution degree	3 (DIN VDE 0110)
Rated impulse withstand-current U_{imp}	6000 V
Terminal connection	Stainless steel terminal 1.5 – 35 mm^2
Tightening torque M_D	4 Nm



D0 Fuse-Switches, vertical design, for 60 mm busbar mounting, short version

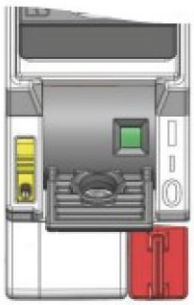
Functions / Visualization

Ready for operation

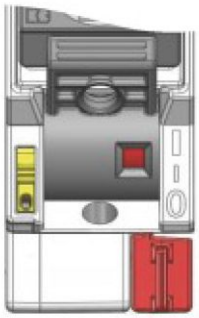




Off

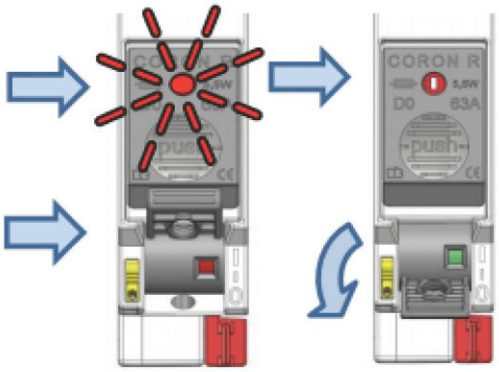


On

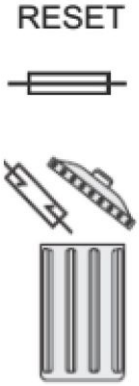


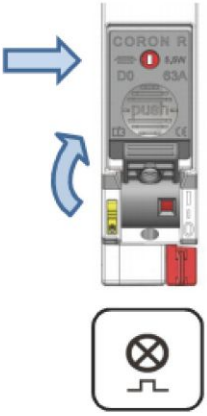
Fault – fuse is tripped





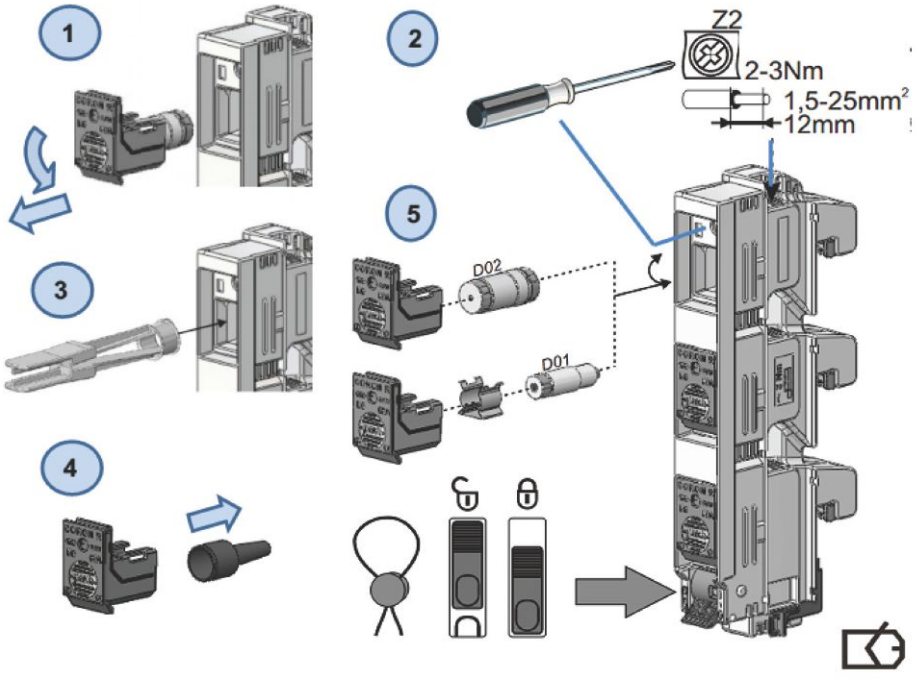
RESET





The optoelectronic indicator flashes when the fuse-link is disconnected.
Thanks to this immediate fault indication, a mechanical indicator is no longer needed.

Operation / fuse-link and conductor connection



Switching lock

Seal



Energy Efficiency through Metering and Control

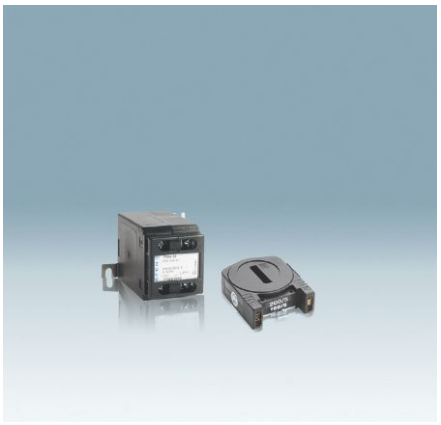
In addition to a complete range of current transformers, EFEN offers various special-purpose transformers for the ideal integration into smart distribution systems. In addition to this, the current transformer range is complemented by monitoring functions for power distribution components.



Window-type current transformers and tube-type current transformers

Comprehensive portfolio of window-type current transformers for primary currents up to 5000 Amps as well as tube-type current transformers up to 600 Amps for line metering or vertical design NH fuse-switches. Also available in PTB-compliant variants for billing purposes.

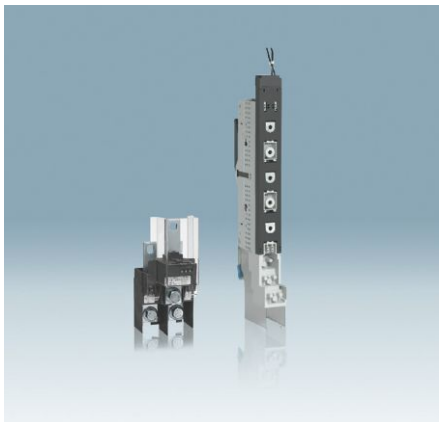
Product overview page 280



Special-purpose current transformers

Wound-primary current transformers for higher classes and powers, summation current transformers for up to 10 window-type current transformers as well as transformers for NH fuse-links complement EFEN's comprehensive range for special applications.

Product overview page 301



Transformer blocks for E³ vertical design NH Fuse-Switches

Comfortable and time-saving integration of current transformers into E³ vertical-design NH fuse-switches. From rear-side installation in fuse-switches of size 00 to the compact design for the terminal space of fuse-switches of size 1 to 3.

Product overview page 330



Fuse-Monitoring

Integrated solutions by EFEN for remote signaling of the operating status of fuse-links for NH fuse-switches of vertical and horizontal design.

Product overview page 336



Metering devices

In addition to power metering, harmonics analysis and visualization, the multi-measurement devices are ment to save measured data. These are transmitted to superordinate power management systems via optional interface modules.

Product overview page 360



Low-Voltage Current Transformers

In addition to a complete range of current transformers for rated current of up to 5,000 A, EFEN also offers numerous special-purpose transformers. These were designed to be integrated perfectly into any smart distribution system.

System
The comprehensive ranges comprise window-type current transformers, tube-type current transformers, wound-primary current transformers, summary current transformers, current transformer kits and transformer blocks.

Features
The EFEN product portfolio is characterized by high material quality and a wide range of accessories.



Low-Voltage Current Transformers

Window-type current transformers
PSA series page 280

Tube-type current transformers
PSR series page 296

Wound-primary current transformers
PSW series page 301

Summation current transformers
PSS series page 303

Window-type current transformers
EPSA series for billing purposes page 305

Accessories for window-type current transformers and tube-type current transformers page 319

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Current transformers for
NH Fuse-Switches page 330

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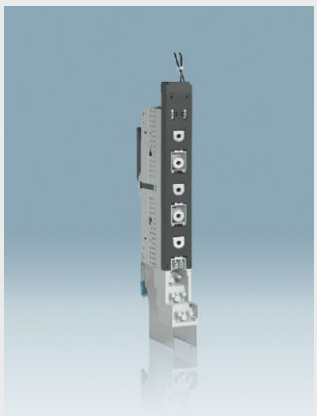
Window-type current transformer PSA 113
also PTB-compliant



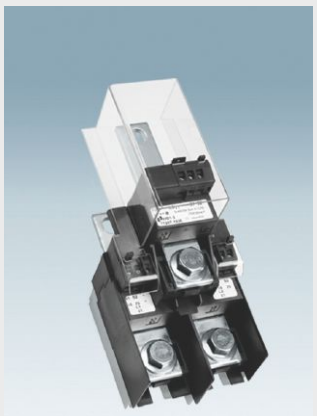
Tube-type current transformer PSR 253



ϵ^3 Current transformer block
for vertical-design NH fuse-switches size 1 - 3



ϵ^3 current transformer block
PTB-compliant variant, sizes 00, for terminal space



Special-purpose current transformers
Wound-primary current transformers, summary current transformers and transformers for NH fuse-links



Window-type current transformers

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77101-1122

PSA 213 window-type current transformer

Features:
- Primary busbar 20 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	1,5	0,5	3	PSA 213 75/5 1,5 0,5-WA 20X10 60-30	**77101-1122**
100	5	2,5	0,5	3	PSA 213 100/5 2,5 0,5-WA 20X10 60-30	**77101-1332**
125	5	5	0,5	3	PSA 213 125/5 5,0 0,5-WA 20X10 60-30	**77101-1432**
150	5	2,5	0,5	3	PSA 213 150/5 2,5 0,5-WA 20X10 60-30	**77101-1532**
200	5	5	0,5	3	PSA 213 200/5 5 0,5-WA 20x10 60-30	**77101-1642**
250	5	5	0,5	3	PSA 213 250/5 5,0 0,5-WA 20X10 60-30	**77101-1742**
75	1	1,5	0,5	3	PSA 213 75/1 1,5 0,5-WA 20X10 60-30	**77101-6122**
80	1	1,5	0,5	3	PSA 213 80/1 1,5 0,5-WA 20X10 60-30	**77101-6222**
100	1	2,5	0,5	3	PSA 213 100/1 2,5 0,5-WA 20X10 60-30	**77101-6332**



77101-1333

PSA 213 window-type current transformer

Features:
- Primary busbar 20 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	1,5	1	3	PSA 213 50/5 1,5 1-WA 20X10 60-30	**77101-0923**
60	5	2,5	1	3	PSA 213 60/5 2,5 1-WA 20X10 60-30	**77101-1033**
75	5	2,5	1	3	PSA 213 75/5 2,5 1-WA 20X10 60-30	**77101-1133**
80	5	2,5	1	3	PSA 213 80/5 2,5 1-WA 20X10 60-30	**77101-1233**
100	5	2,5	1	3	PSA 213 100/5 2,5 1-WA 20X10 60-30	**77101-1333**
125	5	5	1	3	PSA 213 125/5 5,0 1-WA 20X10 60-30	**77101-1443**
150	5	5	1	3	PSA 213 150/5 5,0 1-WA 20X10 60-30	**77101-1543**
200	5	5	1	3	PSA 213 200/5 5,0 1-WA 20X10 60-30	**77101-1643**
200	5	10	1	3	PSA 213 200/5 10 1-WA 20X10 60-30	**77101-1663**
250	5	5	1	3	PSA 213 250/5 5,0 1-WA 20X10 60-30	**77101-1743**
250	5	10	1	3	PSA 213 250/5 10 1-WA 20X10 60-30	**77101-1763**
300	5	10	1	3	PSA 213 300/5 10 1-WA 20X10 60-30	**77101-1863**
50	1	1,5	1	3	PSA 213 50/1 1,5 1-WA 20X10 60-30	**77101-5923**
60	1	1,5	1	3	PSA 213 60/1 1,5 1-WA 20X10 60-30	**77101-6023**
75	1	2,5	1	3	PSA 213 75/1 2,5 1-WA 20X10 60-30	**77101-6133**
100	1	2,5	1	3	PSA 213 100/1 2,5 1-WA 20X10 60-30	**77101-6333**
125	1	5	1	3	PSA 213 125/1 5,0 1-WA 20X10 60-30	**77101-6443**
150	1	5	1	3	PSA 213 150/1 5,0 1-WA 20X10 60-30	**77101-6543**
200	1	10	1	3	PSA 213 200/1 10 1-WA 20X10 60-30	**77101-6663**
250	1	10	1	3	PSA 213 250/1 10 1-WA 20X10 60-30	**77101-6763**
300	1	5	1	3	PSA 213 300/1 5,0 1-WA 20X10 60-30	**77101-6843**
300	1	10	1	3	PSA 213 300/1 10 1-WA 20X10 60-30	**77101-6863**



77102-1342

PSA 215 window-type current transformer

Features:
- Primary busbar 20 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
100	5	5	0,5	3	PSA 215 100/5 5,0 0,5-WA 20X10 60-55	**77102-1342**
125	5	5	0,5	3	PSA 215 125/5 5 0,5-WA 20x10 60-55	**77102-1442**
150	5	5	0,5	3	PSA 215 150/5 5 0,5-WA 20X10 60-55	**77102-1542**
100	1	5	0,5	3	PSA 215 100/1 5 0,5-WA 20X10 60-55	**77102-6342**
125	1	5	0,5	3	PSA 215 125/1 5 0,5-WA 20X10 60-55	**77102-6442**
150	1	5	0,5	3	PSA 215 150/1 5 0,5-WA 20X10 60-55	**77102-6542**

Window-type current transformers

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77102-0813

PSA 215 window-type current transformer

Features:
- Primary busbar 20 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
40	5	1	1	3	PSA 215 40/5 1,0 1-WA 20X10 60-55	**77102-0813**
50	5	2,5	1	3	PSA 215 50/5 2,5 1-WA 20X10 60-55	**77102-0933**
75	5	5	1	3	PSA 215 75/5 5,0 1-WA 20X10 60-55	**77102-1143**
80	5	5	1	3	PSA 215 80/5 5,0 1-WA 20X10 60-55	**77102-1243**
100	5	10	1	3	PSA 215 100/5 10 1-WA 20X10 60-55	**77102-1363**
125	5	10	1	3	PSA 215 125/5 10 1-WA 20X10 60-55	**77102-1463**
150	5	10	1	3	PSA 215 150/5 10 1-WA 20X10 60-55	**77102-1563**
50	1	2,5	1	3	PSA 215 50/1 2,5 1-WA 20X10 60-55	**77102-5933**
75	1	5	1	3	PSA 215 75/1 5,0 1-WA 20X10 60-55	**77102-6143**
80	1	5	1	3	PSA 215 80/1 5,0 1-WA 20X10 60-55	**77102-6243**
100	1	10	1	3	PSA 215 100/1 10 1-WA 20X10 60-55	**77102-6363**
125	1	10	1	3	PSA 215 125/1 10 1-WA 20X10 60-55	**77102-6463**
150	1	10	1	3	PSA 215 150/1 10 1-WA 20X10 60-55	**77102-6563**



77105-1532

PSA 113 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
150	5	2,5	0,5	3	PSA 113 150/5 2,5 0,5-WA 30X10 50-30	**77105-1532**
200	5	2,5	0,5	3	PSA 113 200/5 2,5 0,5-WA 30X10 50-30	**77105-1632**
250	5	2,5	0,5	3	PSA 113 250/5 2,5 0,5-WA 30X10 50-30	**77105-1732**
300	5	2,5	0,5	3	PSA 113 300/5 2,5 0,5-WA 30X10 50-30	**77105-1832**
400	5	2,5	0,5	3	PSA 113 400/5 2,5 0,5-WA 30X10 50-30	**77105-1932**
500	5	2,5	0,5	3	PSA 113 500/5 2,5 0,5-WA 30x10 50-30	**77105-2032**
600	5	2,5	0,5	3	PSA 113 600/5 2,5 0,5-WA 30X10 50-30	**77105-2132**
150	1	2,5	0,5	3	PSA 113 150/1 2,5 0,5-WA 30X10 50-30	**77105-6532**
200	1	2,5	0,5	3	PSA 113 200/1 2,5 0,5-WA 30X10 50-30	**77105-6632**
250	1	2,5	0,5	3	PSA 113 250/1 2,5 0,5-WA 30X10 50-30	**77105-6732**
300	1	2,5	0,5	3	PSA 113 300/1 2,5 0,5-WA 30X10 50-30	**77105-6832**
400	1	2,5	0,5	3	PSA 113 400/1 2,5 0,5-WA 30X10 50-30	**77105-6932**
500	1	2,5	0,5	3	PSA 113 500/1 2,5 0,5-WA 30X10 50-30	**77105-7032**



77105-2143

PSA 113 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
600	1	2,5	0,5	3	PSA 113 600/1 2,5 0,5-WA 30X10 50-30	**77105-7132**
60	5	1	1	3	PSA 113 60/5 1,0 1-WA 30X10 50-30	**77105-1013**
75	5	1,5	1	3	PSA 113 75/5 1,5 1-WA 30X10 50-30	**77105-1123**
200	5	5	1	3	PSA 113 200/5 5,0 1-WA 30X10 50-30	**77105-1643**
250	5	5	1	3	PSA 113 250/5 5,0 1-WA 30X10 50-30	**77105-1743**
100	5	2,5	1	3	PSA 113 100/5 2,5 1-WA 30X10 50-30	**77105-1333**
125	5	2,5	1	3	PSA 113 125/5 2,5 1-WA 30X10 50-30	**77105-1433**
150	5	2,5	1	3	PSA 113 150/5 2,5 1-WA 30X10 50-30	**77105-1533**
200	5	2,5	1	3	PSA 113 200/5 2,5 1-WA 30X10 50-30	**77105-1633**
250	5	2,5	1	3	PSA 113 250/5 2,5 1-WA 30X10 50-30	**77105-1733**
300	5	2,5	1	3	PSA 113 300/5 2,5 1-WA 30X10 50-30	**77105-1833**
300	5	5	1	3	PSA 113 300/5 5,0 1-WA 30X10 50-30	**77105-1843**
400	5	2,5	1	3	PSA 113 400/5 2,5 1-WA 30X10 50-30	**77105-1933**
400	5	5	1	3	PSA 113 400/5 5,0 1-WA 30X10 50-30	**77105-1943**
500	5	5	1	3	PSA 113 500/5 5,0 1-WA 30X10 50-30	**77105-2043**
500	5	7,5	1	3	PSA 113 500/5 7,5 1-WA 30X10 50-30	**77105-2053**
600	5	5	1	3	PSA 113 600/5 5,0 1-WA 30X10 50-30	**77105-2143**
600	5	7,5	1	3	PSA 113 600/5 7,5 1-WA 30X10 50-30	**77105-2153**

Window-type current transformers

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77105-2143

PSA 113 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
60	1	1	1	3	PSA 113 60/1 1,0 1-WA 30X10 50-30	**77105-6013**
75	1	1,5	1	3	PSA 113 75/1 1,5 1-WA 30X10 50-30	**77105-6123**
80	1	2,5	1	3	PSA 113 80/1 2,5 1-WA 30X10 50-30	**77105-6233**
100	1	2,5	1	3	PSA 113 100/1 2,5 1-WA 30X10 50-30	**77105-6333**
125	1	2,5	1	3	PSA 113 125/1 2,5 1-WA 30X10 50-30	**77105-6433**
150	1	2,5	1	3	PSA 113 150/1 2,5 1-WA 30X10 50-30	**77105-6533**
200	1	2,5	1	3	PSA 113 200/1 2,5 1-WA 30X10 50-30	**77105-6633**
200	1	5	1	3	PSA 113 200/1 5,0 1-WA 30X10 50-30	**77105-6643**
250	1	2,5	1	3	PSA 113 250/1 2,5 1-WA 30X10 50-30	**77105-6733**
250	1	5	1	3	PSA 113 250/1 5,0 1-WA 30X10 50-30	**77105-6743**
300	1	2,5	1	3	PSA 113 300/1 2,5 1-WA 30X10 50-30	**77105-6833**
300	1	5	1	3	PSA 113 300/1 5,0 1-WA 30X10 50-30	**77105-6843**
400	1	2,5	1	3	PSA 113 400/1 2,5 1-WA 30X10 50-30	**77105-6933**
400	1	5	1	3	PSA 113 400/1 5,0 1-WA 30X10 50-30	**77105-6943**
500	1	5	1	3	PSA 113 500/1 5,0 1-WA 30X10 50-30	**77105-7043**
600	1	2,5	0,5	3	PSA 113 600/1 2,5 0,5-WA 30X10 50-30	**77105-7132**
600	1	5	1	3	PSA 113 600/1 5,0 1-WA 30X10 50-30	**77105-7143**
600	1	7,5	1	3	PSA 113 600/1 7,5 1-WA 30X10 50-30	**77105-7153**



77107-1332

PSA 115 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
100	5	2,5	0,5	3	PSA 115 100/5 2,5 0,5-WA 30x10 50-50	**77107-1332**
125	5	2,5	0,5	3	PSA 115 125/5 2,5 0,5-WA 30X10 50-50	**77107-1432**
150	5	5	0,5	3	PSA 115 150/5 5,0 0,5-WA 30X10 50-50	**77107-1542**
200	5	5	0,5	3	PSA 115 200/5 5,0 0,5-WA 30X10 50-50	**77107-1642**
250	5	5	0,5	3	PSA 115 250/5 5 0,5-WA 30X10 50-50	**77107-1742**
300	5	5	0,5	3	PSA 115 300/5 5 0,5-WA 30X10 50-50	**77107-1842**
400	5	10	0,5	3	PSA 115 400/5 10 0,5-WA 30x10 50-50	**77107-1962**
500	5	10	0,5	3	PSA 115 500/5 10 0,5-WA 30X10 50-50	**77107-2062**
600	5	10	0,5	3	PSA 115 600/5 10 0,5-WA 30X10 50-50	**77107-2162**
100	1	2,5	0,5	3	PSA 115 100/1 2,5 0,5-WA 30X10 50-50	**77107-6332**
125	1	2,5	0,5	3	PSA 115 125/1 2,5 0,5-WA 30X10 50-50	**77107-6432**
150	1	5	0,5	3	PSA 115 150/1 5,0 0,5-WA 30X10 50-50	**77107-6542**
200	1	5	0,5	3	PSA 115 200/1 5,0 0,5-WA 30X10 50-50	**77107-6642**
250	1	5	0,5	3	PSA 115 250/1 5 0,5-WA 30X10 50-50	**77107-6742**
300	1	5	0,5	3	PSA 115 300/1 5 0,5-WA 30X10 50-50	**77107-6842**
400	1	10	0,5	3	PSA 115 400/1 10 0,5-WA 30X10 50-50	**77107-6962**
500	1	10	0,5	3	PSA 115 500/1 10 0,5-WA 30X10 50-50	**77107-7062**
600	1	10	0,5	3	PSA 115 600/1 10 0,5-WA 30X10 50-50	**77107-7162**



77107-2163

PSA 115 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	1,5	1	3	PSA 115 50/5 1,5 1-WA 30X10 50-50	**77107-0923**
60	5	1,5	1	3	PSA 115 60/5 1,5 1-WA 30X10 50-50	**77107-1023**
75	5	2,5	1	3	PSA 115 75/5 2,5 1-WA 30X10 50-50	**77107-1133**
100	5	5	1	3	PSA 115 100/5 5,0 1-WA 30X10 50-50	**77107-1343**
125	5	5	1	3	PSA 115 125/5 5,0 1-WA 30X10 50-50	**77107-1443**
150	5	5	1	3	PSA 115 150/5 5,0 1-WA 30X10 50-50	**77107-1543**
200	5	5	1	3	PSA 115 200/5 5,0 1-WA 30X10 50-50	**77107-1643**
200	5	10	1	3	PSA 115 200/5 10 1-WA 30X10 50-50	**77107-1663**
250	5	10	1	3	PSA 115 250/5 10 1-WA 30X10 50-50	**77107-1763**

Window-type current transformers

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77107-2163

PSA 115 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
300	5	10	1	3	PSA 115 300/5 10 1-WA 30X10 50-50	**77107-1863**
400	5	10	1	3	PSA 115 400/5 10 1-WA 30X10 50-50	**77107-1963**
400	5	15	1	3	PSA 115 400/5 15 1-WA 30X10 50-50	**77107-1973**
500	5	10	1	3	PSA 115 500/5 10 1-WA 30X10 50-50	**77107-2063**
500	5	15	1	3	PSA 115 500/5 15 1 WA 30x10 50-50	**77107-2073**
600	5	10	1	3	PSA 115 600/5 10 1-WA 30X10 50-50	**77107-2163**
600	5	15	1	3	PSA 115 600/5 15 1-WA 30X10 50-50	**77107-2173**
50	1	1,5	1	3	PSA 115 50/1 1,5 1-WA 30X10 50-50	**77107-5923**
60	1	1,5	1	3	PSA 115 60/1 1,5 1-WA 30X10 50-50	**77107-6023**
75	1	2,5	1	3	PSA 115 75/1 2,5 1-WA 30X10 50-50	**77107-6133**
100	1	5	1	3	PSA 115 100/1 5,0 1-WA 30X10 50-50	**77107-6343**
125	1	5	1	3	PSA 115 125/1 5,0 1-WA 30X10 50-50	**77107-6443**
150	1	5	1	3	PSA 115 150/1 5,0 1-WA 30X10 50-50	**77107-6543**
200	1	5	1	3	PSA 115 200/1 5 1-WA 30X10 50-50	**77107-6643**
200	1	10	1	3	PSA 115 200/1 10 1-WA 30X10 50-50	**77107-6663**
250	1	10	1	3	PSA 115 250/1 10 1-WA 30X10 50-50	**77107-6763**
300	1	10	1	3	PSA 115 300/1 10 1-WA 30X10 50-50	**77107-6863**
400	1	10	1	3	PSA 115 400/1 10 1-WA 30X10 50-50	**77107-6963**
400	1	15	1	3	PSA 115 400/1 15 1-WA 30X10 50-50	**77107-6973**
500	1	15	1	3	PSA 115 500/1 15 1-WA 30X10 50-50	**77107-7073**
500	1	10	1	3	PSA 115 500/1 10 1-WA 30X10 50-50	**77107-7063**
600	1	10	1	3	PSA 115 600/1 10 1-WA 30X10 50-50	**77107-7163**
600	1	15	1	3	PSA 115 600/1 15 1-WA 30X10 50-50	**77107-7173**



77106-1322

PSA 313 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
100	5	1,5	0,5	3	PSA 313 100/5 1,5 0,5-WA 30X10 60-30	**77106-1322**
150	5	2,5	0,5	3	PSA 313 150/5 2,5 0,5-WA 30X10 60-30	**77106-1532**
200	5	5	0,5	3	PSA 313 200/5 5,0 0,5-WA 30X10 60-30	**77106-1642**
250	5	5	0,5	3	PSA 313 250/5 5,0 0,5-WA 30X10 60-30	**77106-1742**
300	5	5	0,5	3	PSA 313 300/5 5,0 0,5-WA 30X10 60-30	**77106-1842**
300	5	10	0,5	3	PSA 313 300/5 10 0,5-WA 30X10 60-30	**77106-1862**
400	5	5	0,5	3	PSA 313 400/5 5,0 0,5-WA 30X10 60-30	**77106-1942**
400	5	10	0,5	3	PSA 313 400/5 10 0,5-WA 30X10 60-30	**77106-1962**
500	5	5	0,5	3	PSA 313 500/5 5,0 0,5-WA 30X10 60-30	**77106-2042**
500	5	10	0,5	3	PSA 313 500/5 10 0,5-WA 30X10 60-30	**77106-2062**
600	5	5	0,5	3	PSA 313 600/5 5,0 0,5-WA 30X10 60-30	**77106-2142**
600	5	10	0,5	3	PSA 313 600/5 10 0,5-WA 30X10 60-30	**77106-2162**
100	1	1,5	0,5	3	PSA 313 100/1 1,5 0,5-WA 30X10 60-30	**77106-6322**
150	1	2,5	0,5	3	PSA 313 150/1 2,5 0,5-WA 30X10 60-30	**77106-6532**
200	1	5	0,5	3	PSA 313 200/1 5,0 0,5-WA 30X10 60-30	**77106-6642**
250	1	5	0,5	3	PSA 313 250/1 5,0 0,5-WA 30X10 60-30	**77106-6742**
300	1	5	0,5	3	PSA 313 300/1 5,0 0,5-WA 30X10 60-30	**77106-6842**
400	1	5	0,5	3	PSA 313 400/1 5,0 0,5-WA 30X10 60-30	**77106-6942**
500	1	5	0,5	3	PSA 313 500/1 5,0 0,5-WA 30X10 60-30	**77106-7042**
600	1	5	0,5	3	PSA 313 600/1 5,0 0,5-WA 30X10 60-30	**77106-7142**

Window-type current transformers

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77106-1763

PSA 313 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
100	5	2,5	1	3	PSA 313 100/5 2,5 1-WA 30X10 60-30	**77106-1333**
125	5	2,5	1	3	PSA 313 150/5 2,5 1-WA 30X10 60-30	**77106-1533**
150	5	5	1	3	PSA 313 150/5 5,0 1-WA 30X10 60-30	**77106-1543**
200	5	5	1	3	PSA 313 200/5 5,0 1-WA 30X10 60-30	**77106-1643**
250	5	5	1	3	PSA 313 250/5 5,0 1-WA 30X10 60-30	**77106-1743**
250	5	10	1	3	PSA 313 250/5 10 1-WA 30X10 60-30	**77106-1763**
300	5	5	1	3	PSA 313 300/5 5,0 1-WA 30X10 60-30	**77106-1843**
300	5	10	1	3	PSA 313 300/5 10 1-WA 30X10 60-30	**77106-1863**
400	5	5	1	3	PSA 313 400/5 5,0 1-WA 30X10 60-30	**77106-1943**
400	5	10	1	3	PSA 313 400/5 10 1-WA 30X10 60-30	**77106-1963**
500	5	5	1	3	PSA 313 500/5 5,0 1-WA 30X10 60-30	**77106-2043**
500	5	10	1	3	PSA 313 500/5 10 1-WA 30X10 60-30	**77106-2063**
600	5	5	1	3	PSA 313 600/5 5,0 1-WA 30X10 60-30	**77106-2143**
600	5	10	1	3	PSA 313 600/5 10 1-WA 30X10 60-30	**77106-2163**
100	1	2,5	1	3	PSA 313 100/1 2,5 1-WA 30X10 60-30	**77106-6333**
150	1	2,5	1	3	PSA 313 150/1 2,5 1-WA 30X10 60-30	**77106-6533**
200	1	5	1	3	PSA 313 200/1 5,0 1-WA 30X10 60-30	**77106-6643**
250	1	5	1	3	PSA 313 250/1 5,0 1-WA 30X10 60-30	**77106-6743**
250	1	10	1	3	PSA 313 250/1 10 1-WA 30X10 60-30	**77106-6763**
300	1	5	1	3	PSA 313 300/1 5,0 1-WA 30X10 60-30	**77106-6843**
300	1	10	1	3	PSA 313 300/1 10 1-WA 30X10 60-30	**77106-6863**
400	1	5	1	3	PSA 313 400/1 5,0 1-WA 30X10 60-30	**77106-6943**
400	1	10	1	3	PSA 313 400/1 10 1-WA 30X10 60-30	**77106-6963**
500	1	5	1	3	PSA 313 500/1 5,0 1-WA 30X10 60-30	**77106-7043**
500	1	10	1	3	PSA 313 500/1 10 1-WA 30X10 60-30	**77106-7063**
600	1	5	1	3	PSA 313 600/1 5,0 1-WA 30X10 60-30	**77106-7143**
600	1	10	1	3	PSA 313 600/1 10 1-WA 30X10 60-30	**77106-7163**



77108-1132

PSA 315 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	2,5	0,5	3	PSA 315 75/5 2,5 0,5-WA 30X10 60-55	**77108-1132**
100	5	2,5	0,5	3	PSA 315 100/5 2,5 0,5-WA 30X10 60-55	**77108-1332**
150	5	5	0,5	3	PSA 315 150/5 5,0 0,5-WA 30X10 60-55	**77108-1542**
200	5	10	0,5	3	PSA 315 200/5 10 0,5-WA 30X10 60-55	**77108-1662**
250	5	10	0,5	3	PSA 315 250/5 10 0,5-WA 30X10 60-55	**77108-1762**
300	5	15	0,5	3	PSA 315 300/5 15 0,5-WA 30X10 60-55	**77108-1872**
400	5	15	0,5	3	PSA 315 400/5 15 0,5-WA 30X10 60-55	**77108-1972**
100	1	2,5	0,5	3	PSA 315 100/1 2,5 0,5-WA 30X10 60-55	**77108-6332**
150	1	5	0,5	3	PSA 315 150/1 5,0 0,5-WA 30X10 60-55	**77108-6542**
200	1	10	0,5	3	PSA 315 200/1 10 0,5-WA 30X10 60-55	**77108-6662**
250	1	10	0,5	3	PSA 315 250/1 10 0,5-WA 30X10 60-55	**77108-6762**



77108-1343

PSA 315 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	2,5	1	3	PSA 315 75/5 2,5 1-WA 30X10 60-55	**77108-1133**
100	5	5	1	3	PSA 315 100/5 5,0 1-WA 30X10 60-55	**77108-1343**
150	5	5	1	3	PSA 315 150/5 5,0 1-WA 30X10 60-55	**77108-1543**
150	5	10	1	3	PSA 315 150/5 10 1-WA 30X10 60-55	**77108-1563**
200	5	10	1	3	PSA 315 200/5 10 1-WA 30X10 60-55	**77108-1663**
200	5	15	1	3	PSA 315 200/5 15 1-WA 30X10 60-55	**77108-1673**
250	5	10	1	3	PSA 315 250/5 10 1-WA 30X10 60-55	**77108-1763**

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77108-1343

PSA 315 window-type current transformer

Features:
- Primary busbar 30 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
300	5	15	1	3	PSA 315 300/5 15 1-WA 30X10 60-55	**77108-1873**
400	5	15	1	3	PSA 315 400/5 15 1-WA 30X10 60-55	**77108-1973**
75	1	2,5	1	3	PSA 315 75/1 2,5 1-WA 30X10 60-55	**77108-6133**
100	1	5	1	3	PSA 315 100/1 5,0 1-WA 30X10 60-55	**77108-6343**
150	1	5	1	3	PSA 315 150/1 5,0 1-WA 30X10 60-55	**77108-6543**
200	1	10	1	3	PSA 315 200/1 10 1-WA 30X10 60-55	**77108-6663**
200	1	15	1	3	PSA 315 200/1 15 1-WA30x10 60-55	**77105-6673**
200	1	15	1	3	PSA 315 200/1 15 1-WA 30X10 60-55	**77108-6673**
250	1	10	1	3	PSA 315 250/1 10 1-WA 30-10 60-55	**77105-6763**



77113-1632

PSA 413 window-type current transformer

Features:
- Primary busbar 40 x 12 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
200	5	2,5	0,5	3	PSA 413 200/5 2,5 0,5-WA 40X12 60-30	**77113-1632**
250	5	2,5	0,5	3	PSA 413 250/5 2,5 0,5-WA 40X12 60-30	**77113-1732**
250	5	5	0,5	3	PSA 413 250/5 5,0 0,5-WA 40X12 60-30	**77113-1742**
300	5	5	0,5	3	PSA 413 300/5 5,0 0,5-WA 40X12 60-30	**77113-1842**
400	5	2,5	0,5	3	PSA 413 400/5 2,5 0,5-WA 40X12 60-30	**77113-1932**
400	5	5	0,5	3	PSA 413 400/5 5,0 0,5-WA 40X12 60-30	**77113-1942**
500	5	5	0,5	3	PSA 413 500/5 5,0 0,5-WA 40X12 60-30	**77113-2042**
600	5	5	0,5	3	PSA 413 600/5 5,0 0,5-WA 40X12 60-30	**77113-2142**
750	5	5	0,5	3	PSA 413 750/5 5,0 0,5-WA 40X12 60-30	**77113-2242**
800	5	5	0,5	3	PSA 413 800/5 5,0 0,5-WA 40X12 60-30	**77113-2342**
200	1	2,5	0,5	3	PSA 413 200/1 2,5 0,5-WA 40X12 60-30	**77113-6632**
250	1	2,5	0,5	3	PSA 413 250/1 2,5 0,5-WA 40X12 60-30	**77113-6732**
250	1	5	0,5	3	PSA 413 250/1 5,0 0,5-WA 40X12 60-30	**77113-6742**
300	1	5	0,5	3	PSA 413 300/1 5,0 0,5-WA 40X12 60-30	**77113-6842**
400	1	5	0,5	3	PSA 413 400/1 5,0 0,5-WA 40X12 60-30	**77113-6942**
500	1	5	0,5	3	PSA 413 500/1 5,0 0,5-WA 40X12 60-30	**77113-7042**
600	1	5	0,5	3	PSA 413 600/1 5,0 0,5-WA 40X12 60-30	**77113-7142**
800	1	5	0,5	3	PSA 413 800/1 5,0 0,5-WA 40X12 60-30	**77113-7342**



77113-1633

PSA 413 window-type current transformer

Features:
- Primary busbar 40 x 12 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
150	5	2,5	1	3	PSA 413 150/5 2,5 1-WA 40X12 60-30	**77113-1533**
200	5	2,5	1	3	PSA 413 200/5 2,5 1-WA 40X12 60-30	**77113-1633**
200	5	5	1	3	PSA 413 200/5 5,0 1-WA 40X12 60-30	**77113-1643**
250	5	5	1	3	PSA 413 250/5 2,5 1-WA 40X12 60-30	**77113-1733**
250	5	5	1	3	PSA 413 250/5 5,0 1-WA 40X12 60-30	**77113-1743**
300	5	5	1	3	PSA 413 300/5 5,0 1-WA 40X12 60-30	**77113-1843**
300	5	7,5	1	3	PSA 413 300/5 7,5 1-WA 40X12 60-30	**77113-1853**
400	5	5	1	3	PSA 413 400/5 5,0 1-WA 40X12 60-30	**77113-1943**
400	5	10	1	3	PSA 413 400/5 10 1-WA 40X12 60-30	**77113-1963**
500	5	5	1	3	PSA 413 500/5 5,0 1-WA 40X12 60-30	**77113-2043**
500	5	10	1	3	PSA 413 500/5 10 1-WA 40X12 60-30	**77113-2063**
600	5	5	1	3	PSA 413 600/5 5,0 1-WA 40X12 60-30	**77113-2143**
600	5	10	1	3	PSA 413 600/5 10 1-WA 40X12 60-30	**77113-2163**
750	5	5	1	3	PSA 413 750/5 5,0 1-WA 40X12 60-30	**77113-2243**
750	5	10	1	3	PSA 413 750/5 10 1-WA 40X12 60-30	**77113-2263**
800	5	5	1	3	PSA 413 800/5 5,0 1-WA 40X12 60-30	**77113-2343**
800	5	10	1	3	PSA 413 800/5 10 1-WA 40X12 60-30	**77113-2363**
150	1	2,5	1	3	PSA 413 150/1 2,5 1-WA 40X12 60-30	**77113-6533**

Window-type current transformers

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77113-1633

PSA 413 window-type current transformer

Features:
- Primary busbar 40 x 12 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
200	1	2,5	1	3	PSA 413 200/1 2,5 1-WA 40X12 60-30	**77113-6633**
200	1	4	1	3	PSA 413 200/1 5,0 1-WA 40X12 60-30	**77113-6643**
250	1	2,5	1	3	PSA 413 250/1 2,5 1-WA 40X12 60-30	**77113-6733**
250	1	5	1	3	PSA 413 250/1 5,0 1-WA 40X12 60-30	**77113-6743**
300	1	5	1	3	PSA 413 300/1 5,0 1-WA 40X12 60-30	**77113-6843**
300	1	7,5	1	3	PSA 413 300/1 7,5 1-WA 40X12 60-30	**77113-6853**
400	1	5	1	3	PSA 413 400/1 5,0 1-WA 40X12 60-30	**77113-6943**
400	1	10	1	3	PSA 413 400/1 10 1-WA 40X12 60-30	**77113-6963**
500	1	5	1	3	PSA 413 500/1 5,0 1-WA 40X12 60-30	**77113-7043**
500	1	10	1	3	PSA 413 500/1 10 1-WA 40X12 60-30	**77113-7063**
600	1	5	1	3	PSA 413 600/1 5,0 1-WA 40X12 60-30	**77113-7143**
600	1	10	1	3	PSA 413 600/1 10 1-WA 40X12 60-30	**77113-7163**
750	1	10	1	3	PSA 413 750/1 10 1-WA 40X12 60-30	**77113-7263**
800	1	10	1	3	PSA 413 800/1 10 1-WA 40X12 60-30	**77113-7363**



77111-2163

PSA 415 window-type current transformer

Features:
- Primary busbar 40 x 12 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
600	5	10	0,5	3	PSA 415 600/5 10 0,5-WA 40X12 60-55	**77111-2162**
800	5	10	0,5	3	PSA 415 800/5 10 0,5-WA 40X12 60-55	**77111-2362**



77111-1543

PSA 415 window-type current transformer

Features:
- Primary busbar 40 x 12 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
150	5	5	1	3	PSA 415 150/5 5,0 1-WA 40X12 60-55	**77111-1543**
200	5	10	1	3	PSA 415 200/5 10 1-WA 40X12 60-55	**77111-1663**
250	5	10	1	3	PSA 415 250/5 10 1-WA 40X12 60-55	**77111-1763**
300	5	10	1	3	PSA 415 300/5 10 1-WA 40X12 60-55	**77111-1863**
150	1	5	1	3	PSA 415 150/1 5 1-WA 40X12 60-55	**77111-6543**
200	1	10	1	3	PSA 415 200/1 10 1-WA 40X12 60-55	**77111-6663**
250	1	10	1	3	PSA 415 250/1 10 1-WA 40X12 60-55	**77111-6763**
300	1	10	1	3	PSA 415 300/1 10 1-WA 40X12 60-55	**77111-6863**



77115-1742

PSA 513 window-type current transformer

Features:
- Primary busbar 50 x 12 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
250	5	5	0,5	3	PSA 513 250/5 5,0 0,5-WA 50X12 85-30	**77115-1742**
300	5	5	0,5	3	PSA 513 300/5 5,0 0,5-WA 50X12 85-30	**77115-1842**
400	5	5	0,5	3	PSA 513 400/5 5,0 0,5-WA 50X12 85-30	**77115-1942**
500	5	5	0,5	3	PSA 513 500/5 5,0 0,5-WA 50X12 85-30	**77115-2042**
600	5	5	0,5	3	PSA 513 600/5 5,0 0,5-WA 50X12 85-30	**77115-2142**
600	5	10	0,5	3	PSA 513 600/5 10,0 0,5-WA 50X12 85-30	**77115-2162**
750	5	5	0,5	3	PSA 513 750/5 5 0,5-WA 50x12 85-30	**77115-2242**
750	5	10	0,5	3	PSA 513 750/5 10 0,5-WA 50X12 85-30	**77115-2262**
800	5	5	0,5	3	PSA 513 800/5 5 0,5-WA 50x12 85-30	**77115-2342**
800	5	10	0,5	3	PSA 513 800/5 10,0 0,5-WA 50X12 85-30	**77115-2362**
1000	5	5	0,5	3	PSA 513 1000/5 5,0 0,5-WA 50X12 85-30	**77115-2442**
1000	5	10	0,5	3	PSA 513 1000/5 10 0,5-WA 50X12 85-30	**77115-2462**

Window-type current transformers

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77115-1742

PSA 513 window-type current transformer

Features:
- Primary busbar 50 x 12 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1000	5	15	0,5	3	PSA 513 1000/5 15 0,5-WA 50X12 85-30	**77115-2472**
1200	5	10	0,5	3	PSA 513 1200/5 10 0,5-WA 50X12 85-30	**77115-2562**
1200	5	15	0,5	3	PSA 513 1200/5 15 0,5-WA 50X12 85-30	**77115-2572**
1250	5	10	0,5	3	PSA 513 1250/5 10 0,5-WA 50X12 85-30	**77115-2662**
1250	5	15	0,5	3	PSA 513 1250/5 15 0,5-WA 50X12 85-30	**77115-2672**
250	1	5	0,5	3	PSA 513 250/1 5,0 0,5-WA 50X12 85-30	**77115-6742**
300	1	5	0,5	3	PSA 513 300/1 5,0 0,5-WA 50X12 85-30	**77115-6842**
400	1	5	0,5	3	PSA 513 400/1 5,0 0,5-WA 50X12 85-30	**77115-6942**
500	1	5	0,5	3	PSA 513 500/1 5,0 0,5-WA 50X12 85-30	**77115-7042**
600	1	5	0,5	3	PSA 513 600/1 5 0,5-WA 50X12 85-30	**77115-7142**
750	1	5	0,5	3	PSA 513 750/1 5,0 0,5-WA 50X12 85-30	**77115-7242**
800	1	10	0,5	3	PSA 513 800/1 10 0,5-WA 50X12 85-30	**77115-7362**
1000	1	10	0,5	3	PSA 513 1000/1 10 0,5-WA 50X12 85-30	**77115-7462**
1200	1	10	0,5	3	PSA 513 1200/1 10 0,5-WA 50X12 85-30	**77115-7562**
1250	1	10	0,5	3	PSA 513 1250/1 10 0,5-WA 50X12 85-30	**77115-7662**



77115-2663

PSA 513 window-type current transformer

Features:
- Primary busbar 50 x 12 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
200	5	5	1	3	PSA 513 200/5 5,0 1-WA 50X12 85-30	**77115-1643**
250	5	5	1	3	PSA 513 250/5 5,0 1-WA 50X12 85-30	**77115-1743**
250	5	10	1	3	PSA 513 250/5 10 1-WA 50X12 85-30	**77115-1763**
300	5	5	1	3	PSA 513 300/5 5,0 1-WA 50X12 85-30	**77115-1843**
300	5	10	1	3	PSA 513 300/5 10 1-WA 50X12 85-30	**77115-1863**
300	1	5	1	3	PSA 513 300/1 5,0 1-WA 50X12 85-30	**77115-6843**
400	5	5	1	3	PSA 513 400/5 5,0 1-WA 50X12 85-30	**77115-1943**
400	5	10	1	3	PSA 513 400/5 10 1-WA 50X12 85-30	**77115-1963**
400	5	15	1	3	PSA 513 400/5 15 1-WA 50X12 85-30	**77115-1973**
500	5	5	1	3	PSA 513 500/5 5,0 1-WA 50X12 85-30	**77115-2043**
500	5	10	1	3	PSA 513 500/5 10 1-WA 50X12 85-30	**77115-2063**
500	5	15	1	3	PSA 513 500/5 15 1-WA 50X12 85-30	**77115-2073**
600	5	5	1	3	PSA 513 600/5 5,0 1-WA 50X12 85-30	**77115-2143**
600	5	10	1	3	PSA 513 600/5 10 1-WA 50X12 85-30	**77115-2163**
600	5	15	1	3	PSA 513 600/5 15 1-WA 50X12 85-30	**77115-2173**
750	5	5	1	3	PSA 513 750/5 5,0 1-WA 50X12 85-30	**77115-2243**
750	5	10	1	3	PSA 513 750/5 10 1-WA 50X12 85-30	**77115-2263**
750	5	15	1	3	PSA 513 750/5 15 1-WA 50X12 85-30	**77115-2273**
800	5	5	1	3	PSA 513 800/5 5,0 1-WA 50X12 85-30	**77115-2343**
800	5	10	1	3	PSA 513 800/5 10 1-WA 50X12 85-30	**77115-2363**
800	5	15	1	3	PSA 513 800/5 15 1-WA 50X12 85-30	**77115-2373**
1000	5	5	1	3	PSA 513 1000/5 5,0 1-WA 50X12 85-30	**77115-2443**
1000	5	10	1	3	PSA 513 1000/5 10 1-WA 50X12 85-30	**77115-2463**
1000	5	15	1	3	PSA 513 1000/5 15 1-WA 50X12 85-30	**77115-2473**
1200	5	5	1	3	PSA 513 1200/5 5,0 1-WA 50X12 85-30	**77115-2543**
1200	5	10	1	3	PSA 513 1200/5 10 1-WA 50X12 85-30	**77115-2563**
1200	5	15	1	3	PSA 513 1200/5 15 1-WA 50X12 85-30	**77115-2573**
1250	5	5	1	3	PSA 513 1250/5 5,0 1-WA 50X12 85-30	**77115-2643**
1250	5	10	1	3	PSA 513 1250/5 10 1-WA 50X12 85-30	**77115-2663**
1250	5	15	1	3	PSA 513 1250/5 15 1-WA 50X12 85-30	**77115-2673**
200	1	5	1	3	PSA 513 200/1 5,0 1-WA 50X12 85-30	**77115-6643**
250	1	5	1	3	PSA 513 250/1 5,0 1-WA 50X12 85-30	**77115-6743**
300	1	10	1	3	PSA 513 300/1 10 1-WA 50X12 85-30	**77115-6863**
400	1	5	1	3	PSA 513 400/1 5,0 0,5-WA 50X12 85-30	**77115-6943**
400	1	10	1	3	PSA 513 400/1 10,0 1,0-WA 50X12 85-30	**77115-6963**

Window-type current transformers

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77115-2663

PSA 513 window-type current transformer

Features:
- Primary busbar 50 x 12 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
500	1	10	1	3	PSA 513 500/1 10 1-WA 50X12 85-30	**77115-7063**
600	1	5	1	3	PSA 513 600/1 5,0 1-WA 50X12 85-30	**77115-7143**
600	1	10	1	3	PSA 513 600/1 10 1-WA 50X12 85-30	**77115-7163**
750	1	5	1	3	PSA 513 750/1 5,0 1-WA 50X12 85-30	**77115-7243**
750	1	10	1	3	PSA 513 750/1 10 1-WA 50X12 85-30	**77115-7263**
800	1	5	1	3	PSA 513 800/1 5,0 1-WA 50X12 85-30	**77115-7343**
800	1	10	1	3	PSA 513 800/1 10 1-WA 50X12 85-30	**77115-7363**
1000	1	5	1	3	PSA 513 1000/1 5,0 1-WA 50X12 85-30	**77115-7443**
1000	1	10	1	3	PSA 513 1000/1 10 1-WA 50X12 85-30	**77115-7463**
1200	1	10	1	3	PSA 513 1200/1 10 1-WA 50X12 85-30	**77115-7563**
1250	1	10	1	3	PSA 513 1250/1 10 1-WA 50X12 85-30	**77115-7663**



77119-1942

PSA 613 window-type current transformer

Features:
- Primary busbar 60 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	5	0,5	3	PSA 613 400/5 5,0 0,5-WA 60X10 85-30	**77119-1942**
400	5	10	0,5	3	PSA 613 400/5 10 0,5-WA 60X10 85-30	**77119-1962**
500	5	5	0,5	3	PSA 613 500/5 5,0 0,5-WA 60X10 85-30	**77119-2042**
500	5	10	0,5	3	PSA 613 500/5 10 0,5-WA 60X10 85-30	**77119-2062**
600	5	5	0,5	3	PSA 613 600/5 5,0 0,5-WA 60X10 85-30	**77119-2142**
600	5	10	0,5	3	PSA 613 600/5 10 0,5-WA 60X10 85-30	**77119-2162**
750	5	5	0,5	3	PSA 613 750/5 5,0 0,5-WA 60X10 85-30	**77119-2242**
750	5	10	0,5	3	PSA 613 750/5 10 0,5-WA 60X10 85-30	**77119-2262**
800	5	5	0,5	3	PSA 613 800/5 5,0 0,5-WA 60X10 85-30	**77119-2342**
800	5	10	0,5	3	PSA 613 800/5 10 0,5-WA 60X10 85-30	**77119-2362**
1000	5	5	0,5	3	PSA 613 1000/5 5,0 0,5-WA 60X10 85-30	**77119-2442**
1000	5	10	0,5	3	PSA 613 1000/5 10 0,5-WA 60X10 85-30	**77119-2462**
1200	5	5	0,5	3	PSA 613 1200/5 5,0 0,5-WA 60X10 85-30	**77119-2542**
1200	5	10	0,5	3	PSA 613 1200/5 10 0,5-WA 60X10 85-30	**77119-2562**
1250	5	5	0,5	3	PSA 613 1250/5 5,0 0,5-WA 60X10 85-30	**77119-2642**
1250	5	10	0,5	3	PSA 613 1250/5 10 0,5-WA 60X10 85-30	**77119-2662**
1500	5	5	0,5	3	PSA 613 1500/5 5,0 0,5-WA 60X10 85-30	**77119-2742**
1500	5	10	0,5	3	PSA 613 1500/5 10 0,5-WA 60X10 85-30	**77119-2762**
1600	5	5	0,5	3	PSA 613 1600/5 5,0 0,5-WA 60X10 85-30	**77119-2842**
1600	5	10	0,5	3	PSA 613 1600/5 10 0,5-WA 60X10 85-30	**77119-2862**
400	1	5	0,5	3	PSA 613 400/1 5 0,5-WA 60X10 85-30	**77119-6942**
500	1	5	0,5	3	PSA 613 500/1 5,0 0,5-WA 60X10 85-30	**77119-7042**
600	1	5	0,5	3	PSA 613 600/1 5,0 0,5-WA 60X10 85-30	**77119-7142**
750	1	5	0,5	3	PSA 613 750/1 5,0 0,5-WA 60X10 85-30	**77119-7242**
800	1	5	0,5	3	PSA 613 800/1 5,0 0,5-WA 60X10 85-30	**77119-7342**
1000	1	5	0,5	3	PSA 613 1000/1 5,0 0,5-WA 60X10 85-30	**77119-7442**
1200	1	5	0,5	3	PSA 613 1200/1 5 0,5-WA 60X10 85-30	**77119-7542**
1250	1	5	0,5	3	PSA 613 1250/1 5,0 0,5-WA 60X10 85-30	**77119-7642**
1500	1	5	0,5	3	PSA 613 1500/1 5,0 0,5-WA 60X10 85-30	**77119-7742**
1600	1	5	0,5	3	PSA 613 1600/1 5 0,5-WA 60X10 85-30	**77119-7842**

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77119-2773

PSA 613 window-type current transformer

Features:
- Primary busbar 60 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	5	1	3	PSA 613 400/5 5,0 1-WA 60X10 85-30	**77119-1943**
400	5	10	1	3	PSA 613 400/5 10 1-WA 60X10 85-30	**77119-1963**
400	5	15	1	3	PSA 613 400/5 15 1-WA 60X10 85-30	**77119-1973**
500	5	5	1	3	PSA 613 500/5 5,0 1-WA 60X10 85-30	**77119-2043**
500	5	10	1	3	PSA 613 500/5 10 1-WA 60X10 85-30	**77119-2063**
500	5	15	1	3	PSA 613 500/5 15 1-WA 60X10 85-30	**77119-2073**
600	5	5	1	3	PSA 613 600/5 5,0 1-WA 60X10 85-30	**77119-2143**
600	5	10	1	3	PSA 613 600/5 10 1-WA 60X10 85-30	**77119-2163**
600	5	15	1	3	PSA 613 600/5 15 1-WA 60X10 85-30	**77119-2173**
750	5	10	1	3	PSA 613 750/5 10 1-WA 60X10 85-30	**77119-2263**
750	5	15	1	3	PSA 613 650/5 15 1-WA 60X10 85-30	**77119-2273**
800	5	5	1	3	PSA 613 800/5 5,0 1-WA 60X10 85-30	**77119-2343**
800	5	10	1	3	PSA 613 800/5 10 1-WA 60X10 85-30	**77119-2363**
800	5	15	1	3	PSA 613 800/5 15 1-WA 60X10 85-30	**77119-2373**
1000	5	5	1	3	PSA 613 1000/5 5,0 1-WA 60X10 85-30	**77119-2443**
1000	5	10	1	3	PSA 613 1000/5 10 1-WA 60X10 85-30	**77119-2463**
1000	5	15	1	3	PSA 613 1000/5 15 1-WA 60X10 85-30	**77119-2473**
1200	5	5	1	3	PSA 613 1200/5 5,0 1-WA 60X10 85-30	**77119-2543**
1200	5	10	1	3	PSA 613 1200/5 10 1-WA 60X10 85-30	**77119-2563**
1200	5	15	1	3	PSA 613 1200/5 15 1-WA 60X10 85-30	**77119-2573**
1250	5	5	1	3	PSA 613 1250/5 5,0 1-WA 60X10 85-30	**77119-2643**
1250	5	10	1	3	PSA 613 1250/5 10 1-WA 60X10 85-30	**77119-2663**
1250	5	15	1	3	PSA 613 1250/5 15 1-WA 60X10 85-30	**77119-2673**
1500	5	5	1	3	PSA 613 1500/5 5,0 1-WA 60X10 85-30	**77119-2743**
1500	5	10	1	3	PSA 613 1500/5 10 1-WA 60X10 85-30	**77119-2763**
1500	5	15	1	3	PSA 613 1500/5 15 1-WA 60X10 85-30	**77119-2773**
1600	5	5	1	3	PSA 613 1600/5 5,0 1-WA 60X10 85-30	**77119-2843**
1600	5	10	1	3	PSA 613 1600/5 10 1-WA 60X10 85-30	**77119-2863**
1600	5	15	1	3	PSA 613 1600/5 15 1-WA 60X10 85-30	**77119-2873**
400	1	10	1	3	PSA 613 400/1 10 1-WA 60X10 85-30	**77119-6963**
500	1	10	1	3	PSA 613 500/1 10 1-WA 60X10 85-30	**77119-7063**
600	1	10	1	3	PSA 613 600/1 10 1-WA 60X10 85-30	**77119-7163**
750	1	10	1	3	PSA 613 750/1 10 1-WA 60X10 85-30	**77119-7263**
800	1	10	1	3	PSA 613 800/1 10 1-WA 60X10 85-30	**77119-7363**
1000	1	10	1	3	PSA 613 1000/1 10 1-WA 60X10 85-30	**77119-7463**
1200	1	10	1	3	PSA 613 1200/1 10 1-WA 60X10 85-30	**77119-7563**
1250	1	10	1	3	PSA 613 1250/1 10 1-WA 60X10 85-30	**77119-7663**
1500	1	10	1	3	PSA 613 1500/1 10 1-WA 60X10 85-30	**77119-7763**
1600	1	10	1	3	PSA 613 1600/1 10 1-WA 60X10 85-30	**77119-7863**



77121-1942

PSA 633 window-type current transformer

Features:
- Primary busbar 60 x 30 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
800	5	10	0,5	3	PSA 633 800/5 10 0,5-WA 60X30 90-30	**77121-2362**
1000	5	10	0,5	3	PSA 633 1000/5 10 0,5-WA 60X30 90-30	**77121-2462**
1200	5	10	0,5	3	PSA 633 1200/5 10 0,5-WA 60X30 90-30	**77121-2562**
1250	5	10	0,5	3	PSA 633 1250/5 10 0,5-WA 60X30 90-30	**77121-2662**
1500	5	10	0,5	3	PSA 633 1500/5 10 0,5-WA 60X30 90-30	**77121-2762**
1600	5	10	0,5	3	PSA 633 1600/5 10 0,5-WA 60X30 90-30	**77121-2862**
800	1	10	0,5	3	PSA 633 800/1 10 0,5-WA 60X30 90-30	**77121-7362**
1000	1	10	0,5	3	PSA 633 1000/1 10 0,5-WA 60X30 90-30	**77121-7462**
1200	1	10	0,5	3	PSA 633 1200/1 10 0,5-WA 60X30 90-30	**77121-7562**
1250	1	10	0,5	3	PSA 633 1250/1 10 0,5-WA 60X30 90-30	**77121-7662**
1500	1	10	0,5	3	PSA 633 1500/1 10 0,5-WA 60X30 90-30	**77121-7762**

Window-type current transformers

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77121-1942

PSA 633 window-type current transformer

Features:
- Primary busbar 60 x 30 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1600	1	10	0,5	3	PSA 633 1600/1 10 0,5-WA 60X30 90-30	**77121-7862**



77121-2473

PSA 633 window-type current transformer

Features:
- Primary busbar 60 x 30 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
800	5	10	1	3	PSA 633 800/5 10 1-WA 60X30 90-30	**77121-2363**
800	5	15	1	3	PSA 633 800/5 15 1-WA 60X30 90-30	**77121-2373**
1000	5	10	1	3	PSA 633 1000/5 10 1-WA 60X30 90-30	**77121-2463**
1250	5	15	1	3	PSA 633 1250/5 15 1-WA 60X30 90-30	**77121-2673**
1000	5	15	1	3	PSA 633 1000/5 15 1-WA 60X30 90-30	**77121-2473**
1200	5	10	1	3	PSA 633 1200/5 10 1-WA 60X30 90-30	**77121-2563**
1200	5	15	1	3	PSA 633 1200/5 15 1-WA 60X30 90-30	**77121-2573**
1250	5	10	1	3	PSA 633 1250/5 10 1-WA 60X30 90-30	**77121-2663**
1500	5	10	1	3	PSA 633 1500/5 10 1-WA 60X30 90-30	**77121-2763**
1500	5	15	1	3	PSA 633 1500/5 15 1-WA 60X30 90-30	**77121-2773**
1600	5	10	1	3	PSA 633 1600/5 10 1-WA 60X30 90-30	**77121-2863**
1600	5	15	1	3	PSA 633 1600/5 15 1-WA 60X30 90-30	**77121-2873**
800	1	10	1	3	PSA 633 800/1 10 1-WA 60X30 90-30	**77121-7363**
800	1	15	1	3	PSA 633 800/1 15 1-WA 60X30 90-30	**77121-7373**
1000	1	10	1	3	PSA 633 1000/1 10 1-WA 60X30 90-30	**77121-7463**
1000	1	15	1	3	PSA 633 1000/1 15 1-WA 60X30 90-30	**77121-7473**
1200	1	10	1	3	PSA 633 1200/1 10 1-WA 60X30 90-30	**77121-7563**
1200	1	15	1	3	PSA 633 1200/1 15 1-WA 60X30 90-30	**77121-7573**
1250	1	10	1	3	PSA 633 1250/1 10 1-WA 60X30 90-30	**77121-7663**
1250	1	15	1	3	PSA 633 1250/1 15 1-WA 60X30 90-30	**77121-7673**
1500	1	10	1	3	PSA 633 1500/1 10 1-WA 60X30 90-30	**77121-7763**
1500	1	15	1	3	PSA 633 1500/1 15 1-WA 60X30 90-30	**77121-7773**
1600	1	10	1	3	PSA 633 1600/1 10 1-WA 60X30 90-30	**77121-7863**
1600	1	15	1	3	PSA 633 1600/1 15 1-WA 60X30 90-30	**77121-7873**



77124-1942

PSA 814 window-type current transformer

Features:
- Primary busbar 80 x 10 (60 x 30) mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	5	0,5	3	PSA 814 400/5 5,0 0,5-WA 80X10 100-40	**77124-1942**
500	5	5	0,5	3	PSA 814 500/5 5,0 0,5-WA 80X10 100-40	**77124-2042**
500	5	10	0,5	3	PSA 814 500/5 10 0,5-WA 80X10 100-40	**77124-2062**
600	5	10	0,5	3	PSA 814 600/5 10 0,5-WA 80X10 100-40	**77124-2162**
600	5	15	0,5	3	PSA 814 600/5 15 0,5-WA 80X10 100-40	**77124-2172**
800	5	10	0,5	3	PSA 814 800/5 10 0,5-WA 80X10 100-40	**77124-2362**
800	5	15	0,5	3	PSA 814 800/5 15 0,5-WA 80X10 100-40	**77124-2372**
1000	5	10	0,5	3	PSA 814 1000/5 10 0,5-WA 80X10 100-40	**77124-2462**
1000	5	15	0,5	3	PSA 814 1000/5 15 0,5-WA 80X10 100-40	**77124-2472**
1200	5	10	0,5	3	PSA 814 1200/5 10 0,5-WA 80X10 100-40	**77124-2562**
1200	5	15	0,5	3	PSA 814 1200/5 15 0,5-WA 80X10 100-40	**77124-2572**
1250	5	10	0,5	3	PSA 814 1250/5 10 0,5-WA 80X10 100-40	**77124-2662**
1250	5	15	0,5	3	PSA 814 1250/5 15 0,5-WA 80X10 100-40	**77124-2672**
1500	5	10	0,5	3	PSA 814 1500/5 10 0,5-WA 80X10 100-40	**77124-2762**

Window-type current transformers

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77124-1942

PSA 814 window-type current transformer

Features:
- Primary busbar 80 x 10 (60 x 30) mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1500	5	15	0,5	3	PSA 814 1500/5 15 0,5-WA 80X10 100-40	**77124-2772**
1600	5	10	0,5	3	PSA 814 1600/5 10 0,5-WA 80X10 100-40	**77124-2862**
1600	5	15	0,5	3	PSA 814 1600/5 15 0,5-WA 80X10 100-40	**77124-2872**
2000	5	10	0,5	3	PSA 814 2000/5 10 0,5-WA 80X10 100-40	**77124-2962**
2000	5	15	0,5	3	PSA 814 2000/5 15 0,5-WA 80X10 100-40	**77124-2972**
400	1	10	0,5	3	PSA 814 400/1 10,0 0,5-WA 80X10 100-40	**77124-6962**
500	1	10	0,5	3	PSA 814 500/1 10 0,5-WA 80X10 100-40	**77124-7062**
600	1	10	0,5	3	PSA 814 600/1 10 0,5-WA 80X10 100-40	**77124-7162**
800	1	10	0,5	3	PSA 814 800/1 10 0,5-WA 80X10 100-40	**77124-7362**
1000	1	10	0,5	3	PSA 814 1000/1 10 0,5-WA 80X10 100-40	**77124-7462**
1200	1	10	0,5	3	PSA 814 1200/1 10 0,5-WA 80X10 100-40	**77124-7562**
1250	1	10	0,5	3	PSA 814 1250/1 10 0,5-WA 80X10 100-40	**77124-7662**
1500	1	10	0,5	3	PSA 814 1500/1 10 0,5-WA 80X10 100-40	**77124-7762**
1600	1	10	0,5	3	PSA 814 1600/1 10 0,5-WA 80X10 100-40	**77124-7862**
2000	1	10	0,5	3	PSA 814 2000/1 10 0,5-WA 80X10 100-40	**77124-7962**



77124-2963

PSA 814 window-type current transformer

Features:
- Primary busbar 80 x 10 (60 x 30) mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	5	1	3	PSA 814 400/5 5,0 1-WA 80X10 100-40	**77124-1943**
400	5	10	1	3	PSA 814 400/5 10 1-WA 80X10 100-40	**77124-1963**
500	5	5	1	3	PSA 814 500/5 5,0 1-WA 80X10 100-40	**77124-2043**
500	5	10	1	3	PSA 814 500/5 10 1-WA 80X10 100-40	**77124-2063**
600	5	10	1	3	PSA 814 600/5 10 1-WA 80X10 100-40	**77124-2163**
600	5	15	1	3	PSA 814 600/5 15 1-WA 80X10 100-40	**77124-2173**
800	5	10	1	3	PSA 814 800/5 10 1-WA 80X10 100-40	**77124-2363**
800	5	15	1	3	PSA 814 800/5 15 1-WA 80X10 100-40	**77124-2373**
1000	5	10	1	3	PSA 814 1000/5 10 1-WA 80X10 100-40	**77124-2463**
1000	5	15	1	3	PSA 814 1000/5 15 1-WA 80X10 100-40	**77124-2473**
1200	5	10	1	3	PSA 814 1200/5 10 1-WA 80X10 100-40	**77124-2563**
1200	5	15	1	3	PSA 814 1200/5 15 1-WA 80X10 100-40	**77124-2573**
1250	5	10	1	3	PSA 814 1250/5 10 1-WA 80X10 100-40	**77124-2663**
1250	5	15	1	3	PSA 814 1250/5 15 1-WA 80X10 100-40	**77124-2673**
1500	5	10	1	3	PSA 814 1500/5 10 1-WA 80X10 100-40	**77124-2763**
1500	5	15	1	3	PSA 814 1500/5 15 1-WA 80X10 100-40	**77124-2773**
1600	5	10	1	3	PSA 814 1600/5 10 1-WA 80X10 100-40	**77124-2863**
2000	5	10	1	3	PSA 814 2000/5 10 1-WA 80X10 100-40	**77124-2963**
400	1	10	1	3	PSA 814 400/1 10 1-WA 80X10 100-40	**77124-6963**
500	1	10	1	3	PSA 814 500/1 10 1-WA 80X10 100-40	**77124-7063**
600	1	10	1	3	PSA 814 600/1 10 1-WA 80X10 100-40	**77124-7163**
800	1	10	1	3	PSA 814 800/1 10 1-WA 80X10 100-40	**77124-7363**
1000	1	10	1	3	PSA 814 1000/1 10 1-WA 80X10 100-40	**77124-7463**
1200	1	10	1	3	PSA 814 1200/1 10 1-WA 80X10 100-40	**77124-7563**
1250	1	10	1	3	PSA 814 1250/1 10 1-WA 80X10 100-40	**77124-7663**
1500	1	10	1	3	PSA 814 1500/1 10 1-WA 80X10 100-40	**77124-7763**
1600	1	10	1	3	PSA 814 1600/1 10 1-WA 80X10 100-40	**77124-7863**
2000	1	10	1	3	PSA 814 2000/1 10 1-WA 80X10 100-40	**77124-7963**

Window-type current transformers

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77125-2572

PSA 1034 window-type current transformer

Features:
- Primary busbar 2 x 100 x 10 (80 x 50) mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	10	0,5	1	PSA 1034 400/5 10 0,5-WA 2X100X10 135-40	**77125-1962**
500	5	10	0,5	1	PSA 1034 500/5 10 0,5-WA 2X100X10 135-40	**77125-2062**
600	5	10	0,5	1	PSA 1034 600/5 10 0,5-WA 2X100X10 135-40	**77125-2162**
800	5	10	0,5	1	PSA 1034 800/5 10 0,5-WA 2X100X10 135-40	**77125-2362**
1000	5	10	0,5	1	PSA 1034 1000/5 10 0,5-WA2X100X10 135-40	**77125-2462**
1000	5	15	0,5	1	PSA 1034 1000/5 15 0,5-WA2X100X10 135-40	**77125-2472**
1200	5	10	0,5	1	PSA 1034 1200/5 10 0,5-WA2X100X10 135-40	**77125-2562**
1200	5	15	0,5	1	PSA 1034 1200/5 15 0,5-WA 2X100X10 135-40	**77125-2572**
1250	5	10	0,5	1	PSA 1034 1250/5 10 0,5-WA2X100X10 135-40	**77125-2662**
1250	5	15	0,5	1	PSA 1034 1250/5 15 0,5-WA2X100X10 135-40	**77125-2672**
1500	5	5	0,5	1	PSA 1034 1500/5 5 0,5-WA 2X100X10 135-40	**77125-2742**
1500	5	10	0,5	1	PSA 1034 1500/5 10 0,5-WA2X100X10 135-40	**77125-2762**
1500	5	15	0,5	1	PSA 1034 1500/5 15 0,5-WA2X100X10 135-40	**77125-2772**
1250	1	15	0,5	1	PSA 1034 1250/1 15 0,5-WA2X100X10 135-40	**77125-7672**
1500	1	10	0,5	1	PSA 1034 1500/1 10 0,5-WA2X100X10 135-40	**77125-7762**
1600	5	10	0,5	1	PSA 1034 1600/5 10 0,5-WA2X100X10 135-40	**77125-2862**
1600	5	15	0,5	1	PSA 1034 1600/5 15 0,5-WA2X100X10 135-40	**77125-2872**
2000	5	10	0,5	1	PSA 1034 2000/5 10 0,5-WA2X100X10 135-40	**77125-2962**
2000	5	15	0,5	1	PSA 1034 2000/5 15 0,5-WA2X100X10 135-40	**77125-2972**
2500	5	10	0,5	1	PSA 1034 2500/5 10 0,5-WA2X100X10 135-40	**77125-3162**
2500	5	15	0,5	1	PSA 1034 2500/5 15 0,5-WA2X100X10 135-40	**77125-3172**
3000	5	10	0,5	1	PSA 1034 3000/5 10 0,5-WA2X100X10 135-40	**77125-3262**
3000	5	15	0,5	1	PSA 1034 3000/5 15 0,5-WA2X100X10 135-40	**77125-3272**
4000	5	10	0,5	1	PSA 1034 4000/5 10 0,5-WA 2X100X10 135-40	**77125-3362**
4000	5	15	0,5	1	PSA 1034 4000/5 15 0,5-WA 2X100X10 135-40	**77125-3372**
400	1	10	0,5	1	PSA 1034 400/1 10 0,5-WA 2X100X10 135-40	**77125-6962**
500	1	10	0,5	1	PSA 1034 500/1 10 0,5-WA 2X100X10 135-40	**77125-7062**
600	1	10	0,5	1	PSA 1034 600/1 10 0,5-WA 2X100X10 135-40	**77125-7162**
800	1	10	0,5	1	PSA 1034 800/1 10 0,5-WA 2X100X10 135-40	**77125-7362**
1000	1	10	0,5	1	PSA 1034 1000/1 10 0,5-WA2X100X10 135-40	**77125-7462**
1200	1	10	0,5	1	PSA 1034 1200/1 10 0,5-WA 2X100X10 135-40	**77125-7562**
1200	1	15	0,5	1	PSA 1034 1200/1 15 0,5-WA 2X100X10 135-40	**77125-7572**
1250	1	10	0,5	1	PSA 1034 1250/1 10 0,5-WA2X100X10 135-40	**77125-7662**
1500	1	15	0,5	1	PSA 1034 1500/1 15 0,5-WA2X100X10 135-40	**77125-7772**
1600	1	10	0,5	1	PSA 1034 1600/1 10 0,5-WA 2X100X10 135-40	**77125-7862**
1600	1	15	0,5	1	PSA 1034 1600/1 15 0,5-WA 2X100X10 135-40	**77125-7872**
2000	1	10	0,5	1	PSA 1034 2000/1 10 0,5-WA2x100x10 135-40	**77125-7962**
2000	1	15	0,5	1	PSA 1034 2000/1 15 0,5-WA2X100X10 135-40	**77125-7972**
2500	1	10	0,5	1	PSA 1034 2500/1 10 0,5-WA2X100X10 135-40	**77125-8162**
2500	1	15	0,5	1	PSA 1034 2500/1 15 0,5-WA2X100X10 135-40	**77125-8172**
3000	1	10	0,5	1	PSA 1034 3000/1 10 0,5-WA 2X100X10 135-40	**77125-8262**
3000	1	15	0,5	1	PSA 1034 3000/1 15 0,5-WA2X100X10 135-40	**77125-8272**
4000	1	10	0,5	1	PSA 1034 4000/1 10 0,5-WA 2X100X10 135-40	**77125-8362**
4000	1	15	0,5	1	PSA 1034 4000/1 15 0,5-WA2X100X10 135-40	**77125-8372**



77125-2573

PSA 1034 window-type current transformer

Features:
- Primary busbar 2 x 100 x 10 (80 x 50) mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	10	1	1	PSA 1034 400/5 10 1-WA 2X100X10 135-40	**77125-1963**
500	5	10	1	1	PSA 1034 500/5 10 1-WA 2X100X10 135-40	**77125-2063**
600	5	10	1	1	PSA 1034 600/5 10 1-WA 2X100X10 135-40	**77125-2163**
1000	5	30	1	1	PSA 1034 1000/5 30 1-WA 2X100X10 135-40	**77125-2483**
1200	5	10	1	1	PSA 1034 1200/5 10 1-WA 2X100X10 135-40	**77125-2563**
1200	5	15	1	1	PSA 1034 1200/5 15 1-WA 2X100X10 135-40	**77125-2573**

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77125-2573

PSA 1034 window-type current transformer

Features:
- Primary busbar 2 x 100 x 10 (80 x 50) mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1200	5	30	1	1	PSA 1034 1200/5 30 1-WA 2X100X10 135-40	**77125-2583**
1250	5	30	1	1	PSA 1034 1250/5 30 1-WA 2X100X10 135-40	**77125-2683**
1500	5	30	1	1	PSA 1034 1500/5 30 1-WA 2X100X10 135-40	**77125-2783**
1600	5	30	1	1	PSA 1034 1600/5 30 1-WA 2X100X10 135-40	**77125-2883**
2000	5	30	1	1	PSA 1034 2000/5 30 1-WA 2X100X10 135-40	**77125-2983**
2500	5	30	1	1	PSA 1034 2500/5 30 1-WA 2X100X10 135-40	**77125-3183**
3000	5	30	1	1	PSA 1034 3000/5 30 1-WA 2X100X10 135-40	**77125-3283**
4000	5	10	1	1	PSA 1034 4000/5 10 1-WA 2X100X10 135-40	**77125-3363**
4000	5	15	1	1	PSA 1034 4000/5 15 1-WA 2X100X10 135-40	**77125-3373**
400	1	10	1	1	PSA 1034 400/1 10 1-WA 2X100X10 135-40	**77125-6963**
500	1	10	1	1	PSA 1034 500/1 10 1-WA 2X100X10 135-40	**77125-7063**
600	1	10	1	1	PSA 1034 600/1 10 1-WA 2X100X10 135-40	**77125-7163**
800	1	10	1	1	PSA 1034 800/1 10 1-WA 2X100X10 135-40	**77125-7363**
800	1	15	1	1	PSA 1034 800/1 15 1-WA 2X100X10 135-40	**77125-7373**
1000	1	10	1	1	PSA 1034 1000/1 10 1-WA 2X100X10 135-40	**77125-7463**
1000	1	15	1	1	PSA 1034 1000/1 15 1-WA 2X100X10 135-40	**77125-7473**
1200	1	10	1	1	PSA 1034 1200/1 10 1-WA 2X100X10 135-40	**77125-7563**
1200	1	15	1	1	PSA 1034 1200/1 15 1-WA 2X100X10 135-40	**77125-7573**
1250	1	10	1	1	PSA 1034 1250/1 10 1-WA 2X100X10 135-40	**77125-7663**
1250	1	15	1	1	PSA 1034 1250/1 15 1-WA 2X100X10 135-40	**77125-7673**
1500	1	10	1	1	PSA 1034 1500/1 10 1-WA 2X100X10 135-40	**77125-7763**
1500	1	15	1	1	PSA 1034 1500/1 15 1-WA 2X100X10 135-40	**77125-7773**
1600	1	10	1	1	PSA 1034 1600/1 10 1-WA 2X100X10 135-40	**77125-7863**
1600	1	15	1	1	PSA 1034 1600/1 15 1-WA 2X100X10 135-40	**77125-7873**
2000	1	10	1	1	PSA 1034 2000/1 10 1-WA 2X100X10 135-40	**77125-7963**
2000	1	15	1	1	PSA 1034 2000/1 15 1-WA 2X100X10 135-40	**77125-7973**
2500	1	10	1	1	PSA 1034 2500/1 10 1-WA 2X100X10 135-40	**77125-8163**
2500	1	15	1	1	PSA 1034 2500/1 15 1-WA 2X100X10 135-40	**77125-8173**
3000	1	10	1	1	PSA 1034 3000/1 10 1-WA 2X100X10 135-40	**77125-8263**
3000	1	15	1	1	PSA 1034 3000/1 15 1-WA 2X100X10 135-40	**77125-8273**
4000	1	10	1	1	PSA 1034 4000/1 10 1-WA 2X100X10 135-40	**77125-8363**
4000	1	15	1	1	PSA 1034 4000/1 15 1-WA 2X100X10 135-40	**77125-8373**



77127-2972

PSA 1254 window-type current transformer

Features:
- Primary busbar 3 x 120 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1000	5	10	0,5	1	PSA 1254 1000/5 10 0,5-WA 3X120X10 160-40	**77127-2462**
1200	5	10	0,5	1	PSA 1254 1200/5 10 0,5-WA 3X120X10 160-40	**77127-2562**
1250	5	10	0,5	1	PSA 1254 1250/5 10 0,5-WA 3X120X10 160-40	**77127-2662**
1500	5	10	0,5	1	PSA 1254 1500/5 10 0,5-WA 3X120X10 160-40	**77127-2762**
1500	5	10	0,5	1	PSA 1254 1500/5 10 0,5-WA 3X120X10 160-40	**77127-2762**
1600	5	10	0,5	1	PSA 1254 1600/5 10 0,5-WA 3X120X10 160-40	**77127-2862**
2000	5	10	0,5	1	PSA 1254 2000/2 10 0,5 - WA 3x120x10 160-40	**77127-2962**
2500	5	10	0,5	1	PSA 1254 2500/2 10 0,5 - WA 3x120x10 160-40	**77127-3162**
3000	5	10	0,5	1	PSA 1254 3000/5 10 0,5-WA 3X120X10 160-4	**77127-3262**
4000	5	10	0,5	1	PSA 1254 4000/2 10 0,5 - WA 3x120x10 160-40	**77127-3362**
5000	5	10	0,5	1	PSA 1254 5000/2 10 0,5 - WA 3x120x10 160-40	**77127-3462**
1000	1	10	0,5	1	PSA 1254 1000/1 10 0,5-WA3X120X10 160-40	**77127-7462**
1200	1	10	0,5	1	PSA 1254 1200/1 10 0,5-WA3X120X10 160-40	**77127-7562**
1250	1	10	0,5	1	PSA 1254 1250/1 10 0,5-WA3X120X10 160-40	**77127-7662**
1500	1	10	0,5	1	PSA 1254 1500/1 10 0,5-WA3X120X10 160-40	**77127-7762**
1600	1	10	0,5	1	PSA 1254 1600/1 10 0,5-WA3X120X10 160-40	**77127-7862**
2000	1	10	0,5	1	PSA 1254 2000/1 10 0,5-WA3X120X10 160-40	**77127-7962**
2500	1	10	0,5	1	PSA 1254 2500/1 10 0,5-WA 3X120X10 160-4	**77127-8162**

Window-type current transformers

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77127-2972

PSA 1254 window-type current transformer

Features:
- Primary busbar 3 x 120 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
3000	1	10	0,5	1	PSA 1254 3000/1 10 0,5-WA3X120X10 160-40	**77127-8262**
4000	1	10	0,5	1	PSA 1254 4000/1 10 0,5-WA 3X120X10 160-40	**77127-8362**
5000	1	10	0,5	1	PSA 1274 5000/2 15 1 - WA 4x120x10 160-40	**77127-8462**



77127-2973

PSA 1254 window-type current transformer

Features:
- Primary busbar 3 x 120 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
800	5	15	1	1	PSA 1254 800/5 15 1-WA 3X120X10 160-40	**77127-2373**
1000	5	15	1	1	PSA 1254 1000/5 15 1-WA 3X120X10 160-40	**77127-2473**
1200	5	15	1	1	PSA 1254 1200/5 15 1-WA 3X120X10 160-40	**77127-2573**
1250	5	15	1	1	PSA 1254 1250/5 15 1-WA 3X120X10 160-40	**77127-2673**
1500	5	15	1	1	PSA 1254 1500/5 15 1-WA 3X120X10 160-40	**77127-2773**
1600	5	15	1	1	PSA 1254 1600/5 15 1-WA 3X120X10 160-40	**77127-2873**
2000	5	15	1	1	PSA 1254 2000/5 15 1-WA 3X120X10 160-40	**77127-2973**
2500	5	15	1	1	PSA 1254 2500/5 15 1-WA 3X120X10 160-40	**77127-3173**
3000	5	15	1	1	PSA 1254 3000/5 15 1-WA 3X120X10 160-40	**77127-3273**
4000	5	15	1	1	PSA 1254 4000/5 15 1-WA 3X120X10 160-40	**77127-3373**
800	1	15	1	1	PSA 1254 800/1 15 1-WA 3X120X10 160-40	**77127-7373**
1000	1	15	1	1	PSA 1254 1000/1 15 1-WA 3X120X10 160-40	**77127-7473**
1200	1	15	1	1	PSA 1254 1200/1 15 1-WA3X120X10 160-40	**77127-7573**
1250	1	15	1	1	PSA 1254 1250/1 15 1-WA3X120X10 160-40	**77127-7673**
1500	1	15	1	1	PSA 1254 1500/1 15 1-WA3X120X10 160-40	**77127-7773**
1600	1	15	1	1	PSA 1254 1600/1 15 1-WA3X120X10 160-40	**77127-7873**
2000	1	15	1	1	PSA 1254 2000/1 15 1-WA3X120X10 160-40	**77127-7973**
2500	1	15	1	1	PSA 1254 2500/1 15 1-WA 3X120X10 160-40	**77127-8173**
3000	1	15	1	1	PSA 1254 3000/1 15 1-WA 3X120X10 160-40	**77127-8273**
4000	1	15	1	1	PSA 1254 4000/1 15 1-WA 3X120X10 160-4	**77127-8373**
5000	1	15	1	1	PSA 1254 5000/1 15 1-WA 3X120X10 160-40	**77127-8473**



77128-2862

PSA 1274 window-type current transformer

Features:
- Primary busbar 4 x 120 x 10 mm, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1600	5	10	0,5	1	PSA 1274 1600/5 10 0,5-WA4X120X10 160-40	**77128-2862**
2000	5	10	0,5	1	PSA 1274 2000/5 10 0,5-WA3X120X10 160-40	**77128-2962**
2500	5	10	0,5	1	PSA1274 2500/5 10 0,5-WA 4x120x10 160-40	**77128-3162**
3000	5	10	0,5	1	PSA 1274 3000/5 10 0,5-WA4X120X10 160-40	**77128-3262**
4000	5	10	0,5	1	PSA 1274 4000/5 10 0,5-WA4X120X10 160-40	**77128-3362**
1600	1	10	0,5	1	PSA 1274 1600/1 10 0,5-WA 4X120X10 160-4	**77128-7862**
2000	1	10	0,5	1	PSA 1274 2000/1 10 0,5-WA 4X120X10 160-4	**77128-7962**
2500	1	10	0,5	1	PSA 1274 2500/1 10 0,5-WA 4X120X10 160-4	**77128-8162**
3000	1	10	0,5	1	PSA 1274 3000/1 10 0,5-WA 4X120X10 160-40	**77128-8262**
4000	1	10	0,5	1	PSA 1274 4000/1 10 0,5-WA 4X120X10 160-40	**77128-8362**

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77128-2863

PSA 1274 window-type current transformer

Features:
- Primary busbar 4 x 120 x 10 mm, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1600	5	15	1	1	PSA 1274 1600/5 15 1-WA 3X120X10 160-40	**77128-2873**
2000	5	15	1	1	PSA 1274 2000/5 15 1-WA 4X120X10 160-40	**77128-2973**
2500	5	15	1	1	PSA 1274 2500/5 15 1-WA 4X120X10 160-40	**77128-3173**
3000	5	15	1	1	PSA 1274 3000/5 15 1-WA 4X120X10 160-40	**77128-3273**
4000	5	10	1	1	PSA 1274 4000/5 10 1-WA 4X120X10 160-40	**77128-3363**
4000	5	15	1	1	PSA 1274 4000/5 15 1-WA 4X120X10 160-40	**77128-3373**
5000	5	15	1	1	PSA 1274 5000/1 15 1-WA 4X120X10 160-40	**77128-3473**
1600	1	15	1	1	PSA 1274 1600/1 15 1-WA 4X120X10 160-4	**77128-7873**
2000	1	15	1	1	PSA 1274 2000/1 15 1-WA 4X120X10 160-4	**77128-7973**
2500	1	15	1	1	PSA 1274 2500/1 15 1-WA 4X120X10 160-4	**77128-8173**
3000	1	15	1	1	PSA 1274 3000/1 15 1-WA 4X120X10 160-40	**77128-8273**
4000	1	15	1	1	PSA 1274 4000/1 15 1-WA 4X120X10 160-40	**77128-8373**
5000	1	15	1	1	PSA 1274 5000/1 15 1-WA 4X120X10 160-40	**77128-8473**

Tube-type current transformers

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77251-1322

PSR 200 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
100	5	1,5	0,5	3	PSR 200 100/5 1,5 0,5-WR 21 44-30	**77251-1322**
125	5	1,5	0,5	3	PSR 200 125/5 1,5 0,5-WR 21 44-30	**77251-1422**
150	5	1,5	0,5	3	PSR 200 150/5 2,5 0,5-WR 21 44-30	**77251-1522**
200	5	2,5	0,5	3	PSR 200 200/5 2,5 0,5-WR 21 44-30	**77251-1632**
250	5	5	0,5	3	PSR 200 250/5 5,0 0,5-WR 21 44-30	**77251-1742**
300	5	5	0,5	3	PSR 200 300/5 5,0 0,5-WR 21 44-30	**77251-1842**
100	1	1,5	0,5	3	PSR 200 100/1 1,5 0,5-WR 21 44-30	**77251-6322**
125	1	1,5	0,5	3	PSR 200 125/1 1,5 0,5-WR 21 44-30	**77251-6422**
150	1	1,5	0,5	3	PSR 200 150/1 1,5 0,5-WR 21 44-30	**77251-6522**
200	1	2,5	0,5	3	PSR 200 200/1 2,5 0,5-WR 21 44-30	**77251-6632**
250	1	5	0,5	3	PSR 200 250/1 5,0 0,5WR 21 44-30	**77251-6742**
300	1	5	0,5	3	PSR 200 300/1 5,0 0,5-WR 21 44-30	**77251-6842**



77251-0913

PSR 200 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	1	1	3	PSR 200 50/5 1,0 1-WR 21 44-30	**77251-0913**
60	5	1,5	1	3	PSR 200 60/5 1,5 1-WR 21 44-30	**77251-1023**
75	5	2	1	3	PSR 200 75/5 2,0 1-WR 21 44-30	**77251-1193**
80	5	1,5	1	3	PSR 200 80/5 1,5 1-WR 21 44-30	**77251-1223**
80	5	2	1	3	PSR 200 80/5 2,0 1-WR 21 44-30	**77251-1293**
100	5	2,5	1	3	PSR 200 100/5 2,5 1-WR 21 44-30	**77251-1333**
125	5	2,5	1	3	PSR 200 125/5 2,5 1-WR 21 44-30	**77251-1433**
150	5	2,5	1	3	PSR 200 150/5 2,5 1-WR 21 44-30	**77251-1533**
200	5	5	1	3	PSR 200 200/5 5,0 1-WR 21 44-30	**77251-1643**
250	5	5	1	3	PSR 200 250/5 2,5 1-WR 21 44-30	**77251-1733**
250	5	5	1	3	PSR 200 250/5 5,0 1-WR 21 44-30	**77251-1743**
300	5	5	1	3	PSR 200 300/5 5,0 1-WR 21 44-30	**77251-1843**
50	1	1	1	3	PSR 200 50/1 1,0 1-WR 21 44-30	**77251-5913**
60	1	1	1	3	PSR 200 60/1 1,0 1-WR 21 44-30	**77251-6013**
60	1	1,5	1	3	PSR 200 60/1 1,5 1-WR 21 44-30	**77251-6023**
75	1	2	1	3	PSR 200 75/1 2,0 1-WR 21 44-30	**77251-6193**
80	1	2	1	3	PSR 200 80/1 2,0 1-WR 21 44-30	**77251-6293**
100	1	2,5	1	3	PSR 200 100/1 2,5 1-WR 21 44-30	**77251-6333**
125	1	2,5	1	3	PSR 200 125/1 2,5 1-WR 21 44-30	**77251-6433**
150	1	2,5	1	3	PSR 200 150/1 2,5 1-WR 21 44-30	**77251-6533**
200	1	2,5	1	3	PSR 200 200/1 2,5 1-WR 21 44-30	**77251-6633**
250	1	5	1	3	PSR 200 250/1 5,0 1-WR 21 44-30	**77251-6743**
300	1	5	1	3	PSR 200 300/1 5,0 1-WR 21 44-30	**77251-6843**



77252-1322

PSR 201 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
125	5	1,5	0,5	3	PSR 200.1 125/5 1,5 0,5-WR 21 44-30-S	**77252-1422**

Tube-type current transformers

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77252-0913

PSR 201 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	1	1	3	PSR 200.1 50/5 1,0 1-WR 21 44-30-S	**77252-0913**
60	5	1,5	1	3	PSR 200.1 60/5 1,5 1-WR 21 44-30-S	**77252-1023**
75	5	2	1	3	PSR 200.1 75/5 2 1-WR 21 44-30-S	**77252-1193**
100	5	2,5	1	3	PSR 200.1 100/5 2,5 1-WR 21 44-30-S	**77252-1333**
125	5	2,5	1	3	PSR 200.1 125/5 2,5 1-WR 21 44-30-S	**77252-1433**
150	5	2,5	1	3	PSR 200.1 150/5 2,5 1-WR 21 44-30-S	**77252-1533**
200	5	5	1	3	PSR 200.1 200/5 5,0 1-WR 21 44-30-S	**77252-1643**
250	5	5	1	3	PSR 200.1 250/5 5,0 1-WR 21 44-30-S	**77252-1743**
50	1	1	1	3	PSR 200.1 50/1 1,0 1-WR 21 44-30-S	**77252-5913**
60	1	1,5	1	3	PSR 200.1 60/1 1,5 1-WR 21 44-30-S	**77252-6023**
75	1	2	1	3	PSR 200.1 75/1 2,0 1-WR 21 44-30-S	**77252-6193**
100	1	2,5	1	3	PSR 200.1 100/1 2,5 1-WR 21 44-30-S	**77252-6333**
125	1	2,5	1	3	PSR 200.1 125/1 2,5 1-WR 21 44-30-S	**77252-6433**
150	1	2,5	1	3	PSR 200.1 150/1 2,5 1-WR 21 44-30-S	**77252-6533**
250	1	5	1	3	PSR 200.1 250/1 5,0 1-WR 21 44-30-S	**77252-6743**



77253-1432

PSR 203 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
125	5	2,5	0,5	3	PSR 203 125/5 2,5 0,5-WR 21 50-30	**77253-1432**
150	5	2,5	0,5	3	PSR 203 150/5 2,5 0,5-WR 21 50-30	**77253-1532**
200	5	2,5	0,5	3	PSR 203 200/5 2,5 0,5-WR 21 50-30	**77253-1632**
250	5	2,5	0,5	3	PSR 203 250/5 2,5 0,5-WR 21 50-30	**77253-1732**
300	5	5	0,5	3	PSR 203 300/5 5,0 0,5-WR 21 50-30	**77253-1842**
125	1	2,5	0,5	3	PSR 203 125/1 5 0,5-WR 21 50-30	**77253-6432**
150	1	2,5	0,5	3	PSR 203 150/1 2,5 0,5-WR 21 50-30	**77253-6532**
200	1	2,5	0,5	3	PSR 203 200/1 2,5 0,5-WR 21 50-30	**77253-6632**
250	1	2,5	0,5	3	PSR 203 250/1 2,5 0,5-WR 21 50-30	**77253-6732**
300	1	5	0,5	3	PSR 203 300/1 5,0 0,5-WR 21 50-30	**77253-6842**



77253-1333

PSR 203 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	2,5	1	3	PSR 203 75/5 2,5 1-WR 21 50-30	**77253-1133**
80	5	2,5	1	3	PSR 203 80/5 2,5 1-WR 21 50-30	**77253-1233**
100	5	2,5	1	3	PSR 203 100/5 2,5 1-WR 21 50-30	**77253-1333**
125	5	2,5	1	3	PSR 203 125/5 2,5 1-WR 21 50-30	**77253-1433**
150	5	5	1	3	PSR 203 150/5 5 1-WR 21 50-30	**77253-1543**
200	5	5	1	3	PSR 203 200/5 5,0 1-WR 21 50-30	**77253-1643**
250	5	5	1	3	PSR 203 250/5 5,0 1-WR 21 50-30	**77253-1743**
300	5	5	1	3	PSR 203 300/5 5,0 1-WR 21 50-30	**77253-1843**
75	1	2,5	1	3	PSR 203 75/1 2,5 1-WR 21 50-30	**77253-6133**
80	1	2,5	1	3	PSR 203 80/1 2,5 1-WR 21 50-30	**77253-6233**
100	1	2,5	1	3	PSR 203 100/1 2,5 1-WR 21 50-30	**77253-6333**
125	1	2,5	1	3	PSR 203 125/1 2,5 1-WR 21 50-30	**77253-6433**
150	1	5	1	3	PSR 203 150/1 5,0 1-WR 21 50-30	**77253-6543**
200	1	5	1	3	PSR 203 200/1 5,0 1-WR 21 50-30	**77253-6643**
250	1	5	1	3	PSR 203 250/1 5,0 1-WR 21 50-30	**77253-6743**
300	1	5	1	3	PSR 203 300/1 5,0 1-WR 21 50-30	**77253-6843**

Tube-type current transformers

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77254-0922

PSR 205 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
60	5	1,5	0,5	3	PSR 205 60/5 1,5 0,5-WR 21 50-50	**77254-1022**
75	5	1,5	0,5	3	PSR 205 75/5 1,5 0,5-WR 21 50-50	**77254-1122**
80	5	2,5	0,5	3	PSR 205 80/5 2,5 0,5-WR 21 50-50	**77254-1232**
100	5	2,5	0,5	3	PSR 205 100/5 2,5 0,5-WR 21 50-50	**77254-1332**
125	5	5	0,5	3	PSR 205 125/5 5,0 0,5-WR 21 50-50	**77254-1442**
150	5	5	0,5	3	PSR 205 150/5 5 0,5-WR 21 50-50	**77254-1542**
200	5	5	0,5	3	PSR 205 200/5 5 0,5-WR 21 50-50	**77254-1642**
250	5	5	0,5	3	PSR 205 250/5 5 0,5-WR 21 50-50	**77254-1742**
300	5	5	0,5	3	PSR 205 300/5 5 0,5-WR 21 50-50	**77254-1842**
50	1	1,5	0,5	3	PSR 205 50/1 1,5 0,5-WR 21 50-50	**77254-5922**
60	1	1,5	0,5	3	PSR 205 60/1 1,5 0,5-WR 21 50-50	**77254-6022**
75	1	1,5	0,5	3	PSR 205 75/1 1,5 0,5-WR 21 50-50	**77254-6122**
80	1	2,5	0,5	3	PSR 205 80/1 2,5 0,5-WR 21 50-50	**77254-6232**
100	1	2,5	0,5	3	PSR 205 100/1 2,55 0,5-WR 21 50-50	**77254-6332**
125	1	5	0,5	3	PSR 205 125/1 5 0,5-WR 21 50-50	**77254-6442**
150	1	5	0,5	3	PSR 205 150/1 5 0,5-WR 21 50-50	**77254-6542**
200	1	5	0,5	3	PSR 205 200/1 5 0,5-WR 21 50-50	**77254-6642**
250	1	5	0,5	3	PSR 205 250/1 5 0,5-WR 21 50-50	**77254-6742**
300	1	5	0,5	3	PSR 205 300/1 5 0,5-WR 21 50-50	**77254-6842**



77254-0933

PSR 205 tube-type current transformer

Features:
- Diameter 21 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	2,5	1	3	PSR 205 50/5 2,5 1-WR 21 50-50	**77254-0933**
60	5	2,5	1	3	PSR 205 60/5 2,5 1-WR 21 50-50	**77254-1033**
75	5	2,5	1	3	PSR 205 75/5 2,5 1-WR 21 50-50	**77254-1133**
80	5	5	1	3	PSR 205 80/5 5,0 1-WR 21 50-50	**77254-1243**
100	5	5	1	3	PSR 205 100/5 5,0 1-WR 21 50-50	**77254-1343**
125	5	5	1	3	PSR 205 125/5 5,0 1-WR 21 50-50	**77254-1443**
150	5	10	1	3	PSR 205 150/5 10 1-WR 21 50-50	**77254-1563**
200	5	10	1	3	PSR 205 200/5 10 1-WR 21 50-50	**77254-1663**
250	5	10	1	3	PSR 205 250/5 10 1-WR 21 50-50	**77254-1763**
300	5	10	1	3	PSR 205 300/5 10 1-WR 21 50-50	**77254-1863**
50	1	2,5	1	3	PSR 205 50/1 2,5 1-WR 21 50-50	**77254-5933**
60	1	2,5	1	3	PSR 205 60/1 2,5 1-WR 21 50-50	**77254-6033**
75	1	2,5	1	3	PSR 205 75/1 2,5 1-WR 21 50-50	**77254-6133**
80	1	5	1	3	PSR 205 80/1 5 1-WR 21 50-50	**77254-6243**
100	1	5	1	3	PSR 205 100/1 5 1-WR 21 50-50	**77254-6343**
125	1	5	1	3	PSR 205 125/1 5 1-WR 21 50-50	**77254-6443**
150	1	5	1	3	PSR 205 150/1 5 1-WR 21 50-50	**77254-6543**
200	1	5	1	3	PSR 205 200/1 5 1-WR 21 50-50	**77254-6643**
250	1	5	1	3	PSR 205 250/1 5 1-WR 21 50-50	**77254-6743**
300	1	5	1	3	PSR 205 300/1 5 1-WR 21 50-50	**77254-6843**



77255-1332

PSR 253 tube-type current transformer

Features:
- Diameter 22.5 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	1,5	0,5	3	PSR 253 75/5 1,5 0,5-WR 22,5 60-30	**77255-1122**
80	5	1,5	0,5	3	PSR 253 80/5 1,5 0,5-WR 22,5 60-30	**77255-1222**
100	5	2,5	0,5	3	PSR 253 100/5 2,5 0,5-WR 22,5 60-30	**77255-1332**
125	5	2,5	0,5	3	PSR 253 125/5 2,5 0,5-WR 22,5 60-30	**77255-1432**
150	5	2,5	0,5	3	PSR 253 150/5 2,5 0,5-WR 22,5 60-30	**77255-1532**
200	5	5	0,5	3	PSR 253 200/5 5,0 0,5-WR 22,5 60-30	**77255-1642**

Tube-type current transformers

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77255-1332

PSR 253 tube-type current transformer

Features:
- Diameter 22.5 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
250	5	5	0,5	3	PSR 253 250/5 5,0 0,5-WR 22,5 60-30	**77255-1742**
300	5	5	0,5	3	PSR 253 300/5 5,0 0,5-WR 22,5 60-30	**77255-1842**
400	5	5	0,5	3	PSR 253 400/5 5 0,5-WR 22,5 60-30	**77255-1942**
500	5	5	0,5	3	PSR 253 500/5 5,0 0,5-WR 22,5 60-30	**77255-2042**
600	5	5	0,5	3	PSR 253 600/5 5,0 0,5 22,5 60-30	**77255-2142**
75	1	1,5	0,5	3	PSR 253 75/1 1,5 0,5-WR 22,5 60-30	**77255-6122**
80	1	1,5	0,5	3	PSR 253 80/1 1,5 0,5-WR 22,5 60-30	**77255-6222**
100	1	2,5	0,5	3	PSR 253 100/1 2,5 0,5-WR 22,5 60-30	**77255-6332**
125	1	2,5	0,5	3	PSR 253 125/1 2,5 0,5-WR 22,5 60-30	**77255-6432**
150	1	2,5	0,5	3	PSR 253 150/1 2,5 0,5-WR 22,5 60-30	**77255-6532**
200	1	5	0,5	3	PSR 253 200/1 5,0 0,5-WR 22,5 60-30	**77255-6642**
250	1	5	0,5	3	PSR 253 250/1 5,0 0,5-WR 22,5 60-30	**77255-6742**
300	1	5	0,5	3	PSR 253 300/1 5,0 0,5-WR 22,5 60-30	**77255-6842**
400	1	5	0,5	3	PSR 253 400/1 5,0 0,5-WR 22,5 60-30	**77255-6942**
500	1	5	0,5	3	PSR 253 500/1 5,0 0,5-WR 22,5 60-30	**77255-7042**
600	1	5	0,5	3	PSR 253 600/1 5,0 0,5-WR 22,5 60-30	**77255-7142**



77255-1743

PSR 253 tube-type current transformer

Features:
- Diameter 22.5 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	1,5	1	3	PSR 253 50/5 1,5 1-WR 22,5 60-30	**77255-0923**
60	5	2,5	1	3	PSR 253 60/5 2,5 1-WR 22,5 60-30	**77255-1033**
75	5	2,5	1	3	PSR 253 75/5 2,5 1-WR 22,5 60-30	**77255-1133**
80	5	2,5	1	3	PSR 253 80/5 2,5 1-WR 22,5 60-30	**77255-1233**
100	5	5	1	3	PSR 253 100/5 5,0 1-WR 22,5 60-30	**77255-1343**
125	5	5	1	3	PSR 253 125/5 5,0 1-WR 22,5 60-30	**77255-1443**
150	5	5	1	3	PSR 253 150/5 5,0 1-WR 22,5 60-30	**77255-1543**
200	5	5	1	3	PSR 253 200/5 5,0 1-WR 22,5 60-30	**77255-1643**
250	5	5	1	3	PSR 253 250/5 5,0 1-WR 22,5 60-30	**77255-1743**
300	5	5	1	3	PSR 253 300/5 5,0 1-WR 22,5 60-30	**77255-1843**
400	5	5	1	3	PSR 253 400/5 5,0 1-WR 22,5 60-30	**77255-1943**
500	5	5	1	3	PSR 253 500/5 5,0 1-WR 22,5 60-30	**77255-2043**
600	5	5	1	3	PSR 253 600/5 5,0 1-WR 22,5 60-30	**77255-2143**
50	1	1,5	1	3	PSR 253 50/1 1,5 1-WR 22,5 60-30	**77255-5923**
60	1	2,5	1	3	PSR 253 60/1 2,5 1-WR 22,5 60-30	**77255-6033**
75	1	2,5	1	3	PSR 253 75/1 2,5 1-WR 22,5 60-30	**77255-6133**
80	1	2,5	1	3	PSR 253 80/1 2,5 1-WR 22,5 60-30	**77255-6233**
100	1	5	1	3	PSR 253 100/1 5,0 1-WR 22,5 60-30	**77255-6343**
125	1	5	1	3	PSR 253 125/1 5 1-WR 22,5 60-30	**77255-6443**
150	1	5	1	3	PSR 253 150/1 5,0 1-WR 22,5 60-30	**77255-6543**
200	1	5	1	3	PSR 253 200/1 5,0 1-WR 22,5 60-30	**77255-6643**
250	1	5	1	3	PSR 253 250/1 5,0 1-WR 22,5 60-30	**77255-6743**
250	1	10	1	3	PSR 253 250/1 10 1-WR 22,5 60-30	**77255-6763**
300	1	5	1	3	PSR 253 300/1 5,0 1-WR 22,5 60-30	**77255-6843**
400	1	5	1	3	PSR 253 400/1 5,0 1-WR 22,5 60-30	**77255-6943**
500	1	5	1	3	PSR 253 500/1 5,0 1-WR 22,5 60-30	**77255-7043**
600	1	5	1	3	PSR 253 600/1 5,0 1-WR 22,5 60-30	**77255-7143**

Tube-type current transformers

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77256-1742

PSR 253/30 tube-type current transformer

Features:
- Diameter 30 mm², accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
125	5	5	0,5	3	PSR 253/30 125/5 5 0,5-WR 30 60-30	**77256-1442**
150	5	5	0,5	3	PSR 253/30 150/5 5 0,5-WR 30 60-30	**77256-1542**
200	5	5	0,5	3	PSR 253/30 200/5 5,0 0,5-WR 30 60-30	**77256-1642**
250	5	5	0,5	3	PSR 253/30 250/5 2,5 0,5-WR 30 60-30	**77256-1742**
300	5	5	0,5	3	PSR 253/30 300/5 5,0 0,5-WR 30 60-30	**77256-1842**
400	5	5	0,5	3	PSR 253/30 400/5 5,0 0,5-WR 30 60-30	**77256-1942**
500	5	5	0,5	3	PSR 253/30 500/5 5 0,5-WR 30 60-30	**77256-2042**
600	5	5	0,5	3	PSR 253/30 600/5 5,0 0,5-WR 30 60-30	**77256-2142**
125	1	5	0,5	3	PSR 253/30 125/1 5,0 0,5-WR 30 60-30	**77256-6442**
150	1	5	0,5	3	PSR 253/30 150/1 5,0 0,5-WR 30 60-30	**77256-6542**
200	1	5	0,5	3	PSR 253/30 200/1 2,5 0,5-WR 30 60-30	**77256-6642**
250	1	5	0,5	3	PSR 253/30 250/1 2,5 0,5-WR 30 60-30	**77256-6742**
300	1	5	0,5	3	PSR 253/30 300/1 5,0 0,5-WR 30 60-30	**77256-6842**
400	1	5	0,5	3	PSR 253/30 400/1 5,0 0,5-WR 30 60-30	**77256-6942**
500	1	5	0,5	3	PSR 253/30 500/1 5,0 0,5-WR 30 60-30	**77256-7042**
600	1	5	0,5	3	PSR 253/30 600/1 5,0 0,5-WR 30 60-30	**77256-7142**



77256-1743

PSR 253/30 tube-type current transformer

Features:
- Diameter 30 mm², accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
125	5	5	1	3	PSR 253/30 125/5 5 1-WR 30 60-30	**77256-1443**
150	5	5	1	3	PSR 253/30 150/5 5 1-WR 30 60-30	**77256-1543**
200	5	5	1	3	PSR 253/30 200/5 5,0 1-WR 30 60-30	**77256-1643**
250	5	5	1	3	PSR 253/30 250/5 5,0 1-WR 30 60-30	**77256-1743**
300	5	5	1	3	PSR 253/30 300/5 5,0 1-WR 30 60-30	**77256-1843**
400	5	5	1	3	PSR 253/30 400/5 5,0 1-WR 30 60-30	**77256-1943**
500	5	5	1	3	PSR 253/30 500/5 5 1-WR 30 60-30	**77256-2043**
600	5	5	1	3	PSR 253/30 600/5 5,0 1-WR 30 60-30	**77256-2143**
1000	5	2,5	1	3	PSR 253/30 1000/5 2,5 1-WR 30 60-30	**77256-2433**
125	1	5	1	3	PSR 253/30 125/1 5,0 1-WR 30 60-30	**77256-6443**
150	1	5	1	3	PSR 253/30 150/1 5,0 1-WR 30 60-30	**77256-6543**
200	1	5	1	3	PSR 253/30 200/1 5,0 1-WR 30 60-30	**77256-6643**
250	1	5	1	3	PSR 253/30 250/1 5,0 1-WR 30 60-30	**77256-6743**
300	1	5	1	3	PSR 253/30 300/1 5,0 1-WR 30 60-30	**77256-6843**
400	1	5	1	3	PSR 253/30 400/1 5,0 1-WR 30 60-30	**77256-6943**
500	1	5	1	3	PSR 253/30 500/1 5,0 1-WR 30 60-30	**77256-7043**
600	1	5	1	3	PSR 253/30 600/1 5,0 1-WR 30 60-30	**77256-7143**

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77362-0242

PSW 55

Features:
- Wound-primary current transformer, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
5	5	5	0,5	1	PSW 55 5/5 5,0 0,5 -WW 55-70	**77362-0242**
10	5	5	0,5	1	PSW 55 10/5 5,0 0,5-WW 55-70	**77362-0342**
15	5	5	0,5	1	PSW 55 15/5 5,0 0,5-WW 55-70	**77362-0442**
20	5	5	0,5	1	PSW 55 20/5 5,0 0,5-WW 55-70	**77362-0542**
25	5	5	0,5	1	PSW 55 25/5 5,0 0,5-WW 55-70	**77362-0642**
30	5	5	0,5	1	PSW 55 30/5 5,0 0,5-WW 55-70	**77362-0742**
40	5	5	0,5	1	PSW 55 40/5 5,0 0,5-WW 55-70	**77362-0842**
5	1	5	0,5	1	PSW 55 5/1 5,0 0,5-WW 55-70	**77362-5142**
5	1	5	0,5	1	PSW 55 10/1 5,0 0,5-WW 55-70	**77362-5242**
15	1	5	0,5	1	PSW 55 15/1 5,0 0,5-WW 55-70	**77362-5342**
20	1	5	0,5	1	PSW 55 20/1 5,0 0,5-WW 55-70	**77362-5442**
25	1	5	0,5	1	PSW 55 25/1 5,0 0,5-WW 55-70	**77362-5542**
30	1	5	0,5	1	PSW 55 30/1 5,0 0,5-WW 55-70	**77362-5742**
40	1	5	0,5	1	PSW 55 40/1 5,0 0,5-WW 55-70	**77362-5842**



77362-0243

PSW 55

Features:
- Wound-primary current transformer, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
5	5	5	1	1	PSW 55 5/5 5,0 1-WW 55-70	**77362-0243**
5	5	10	1	1	PSW 55 5/5 10 1-WW 55-70	**77362-0263**
10	5	5	1	1	PSW 55 10/5 5,0 1-WW 55-70	**77362-0343**
10	5	10	1	1	PSW 55 10/5 10 1-WW 55-70	**77362-0363**
15	5	5	1	1	PSW 55 15/5 5,0 1-WW 55-70	**77362-0443**
15	5	10	1	1	PSW 55 15/5 10 1-WW 55-70	**77362-0463**
20	5	5	1	1	PSW 55 20/5 5,0 1-WW 55-70	**77362-0543**
20	5	10	1	1	PSW 55 20/5 10 1-WW 55-70	**77362-0563**
25	5	5	1	1	PSW 55 25/5 5,0 1-WW 55-70	**77362-0643**
25	5	10	1	1	PSW 55 25/5 10 1-WW 55-70	**77362-0663**
30	5	5	1	1	PSW 55 30/5 5,0 1-WW 55-70	**77362-0743**
30	5	10	1	1	PSW 55 30/5 10 1-WW 55-70	**77362-0763**
40	5	5	1	1	PSW 55 40/5 5,0 1-WW 55-70	**77362-0843**
40	5	10	1	1	PSW 55 40/5 10 1-WW 55-70	**77362-0863**
5	1	5	1	1	PSW 55 5/1 5,0 1-WW 55-70	**77362-5143**
5	1	10	1	1	PSW 55 5/1 10 1-WW 55-70	**77362-5163**
5	1	5	1	1	PSW 55 10/1 5,0 1-WW 55-70	**77362-5243**
5	1	10	1	1	PSW 55 10/1 10 1-WW 55-70	**77362-5263**
15	1	5	1	1	PSW 55 15/1 5,0 1-WW 55-70	**77362-5343**
15	1	10	1	1	PSW 55 15/1 10 1-WW 55-70	**77362-5363**
20	1	5	1	1	PSW 55 20/1 5,0 1-WW 55-70	**77362-5443**
20	1	10	1	1	PSW 55 20/1 10 1-WW 55-70	**77362-5463**
25	1	5	1	1	PSW 55 25/1 5,0 1-WW 55-70	**77362-5543**
25	1	10	1	1	PSW 55 25/1 10 1-WW 55-70	**77362-5563**
30	1	5	1	1	PSW 55 30/1 5,0 1-WW 55-70	**77362-5743**
30	1	10	1	1	PSW 55 30/1 10 1-WW 55-70	**77362-5763**
40	1	5	1	1	PSW 55 40/1 5,0 1-WW 55-70	**77362-5843**
40	1	10	1	1	PSW 55 40/1 10 1-WW 55-70	**77362-5863**

Wound-primary current transformers

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77364-6043

PSW 70

Features:
- Wound-primary current transformer, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	5	0,5	1	PSW 70 50/5 5,0 0,5-70	**77364-0942**
60	5	5	0,5	1	PSW 70 60/5 5,0 0,5-70	**77364-1042**
75	5	5	0,5	1	PSW 70 75/5 5,0 0,5-70	**77364-1142**
80	5	5	0,5	1	PSW 70 80/5 5,0 0,5-70	**77364-1242**
100	5	5	0,5	1	PSW 70 100/5 5,0 0,5-70	**77364-1342**
125	5	5	0,5	1	PSW 70 125/5 5,0 0,5-70	**77364-1442**
150	5	5	0,5	1	PSW 70 150/5 5,0 0,5-70	**77364-1542**
200	5	5	0,5	1	PSW 70 200/5 5,0 0,5-70	**77364-1642**
50	1	5	0,5	1	PSW 70 50/1 5,0 0,5-WW 55-70	**77364-5942**
60	1	5	0,5	1	PSW 70 60/1 5,0 0,5-70	**77364-6042**
75	1	5	0,5	1	PSW 70 75/1 5,0 0,5-70	**77364-6142**
80	1	5	0,5	1	PSW 70 80/1 5,0 0,5-70	**77364-6242**
100	1	5	0,5	1	PSW 70 100/1 5,0 0,5-70	**77364-6342**
125	1	5	0,5	1	PSW 70 125/1 5,0 0,5-70	**77364-6442**
150	1	5	0,5	1	PSW 70 150/1 5,0 0,5-70	**77364-6542**
200	1	5	0,5	1	PSW 70 200/1 5,0 0,5-70	**77364-6642**



77364-0843

PSW 70

Features:
- Wound-primary current transformer, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
50	5	5	1	1	PSW 70 50/5 5,0 1-70	**77364-0943**
50	5	10	1	1	PSW 70 50/5 10 1-70	**77364-0963**
60	5	5	1	1	PSW 70 60/5 5,0 1-70	**77364-1043**
60	5	10	1	1	PSW 70 60/5 10 1-70	**77364-1063**
75	5	5	1	1	PSW 70 75/5 5,0 1-70	**77364-1143**
75	5	10	1	1	PSW 70 75/5 10 1-70	**77364-1163**
80	5	5	1	1	PSW 70 80/5 5,0 1-70	**77364-1243**
80	5	10	1	1	PSW 70 80/5 10 1-70	**77364-1263**
100	5	5	1	1	PSW 70 100/5 5,0 1-70	**77364-1343**
100	5	10	1	1	PSW 70 100/5 10 1-70	**77364-1363**
125	5	5	1	1	PSW 70 125/5 5,0 1-70	**77364-1443**
125	5	10	1	1	PSW 70 125/5 10 1-70	**77364-1463**
150	5	5	1	1	PSW 70 150/5 5,0 1-70	**77364-1543**
150	5	10	1	1	PSW 70 150/5 10 1-70	**77364-1563**
200	5	5	1	1	PSW 70 200/5 5,0 1-70	**77364-1643**
200	5	10	1	1	PSW 70 200/5 10 1-70	**77364-1663**
50	1	5	1	1	PSW 70 50/1 5,0 1-WW 55-70	**77364-5943**
50	1	10	1	1	PSW 70 50/1 10 1-70	**77364-5963**
60	1	5	1	1	PSW 70 60/1 5,0 1-70	**77364-6043**
60	1	10	1	1	PSW 70 60/1 10 1-70	**77364-6063**
75	1	5	1	1	PSW 70 75/1 5,0 1-70	**77364-6143**
75	1	10	1	1	PSW 70 75/1 10 1-70	**77364-6163**
80	1	5	1	1	PSW 70 80/1 5,0 1-70	**77364-6243**
80	1	10	1	1	PSW 70 80/1 10 1-70	**77364-6263**
100	1	5	1	1	PSW 70 100/5 5VA Kl.1-70	**77364-6343**
100	1	10	1	1	PSW 70 100/1 10 1-70	**77364-6363**
125	1	5	1	1	PSW 70 125/1 5,0 1-70	**77364-6443**
125	1	10	1	1	PSW 70 125/1 10 1-70	**77364-6463**
150	1	5	1	1	PSW 70 150/1 5,0 1-70	**77364-6543**
150	1	10	1	1	PSW 70 150/1 10 1-70	**77364-6563**
200	1	5	1	1	PSW 70 200/1 5,0 1-70	**77364-6643**
200	1	10	1	1	PSW 70 200/1 10 1-70	**77364-6663**

Summary current transformers

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77470-3442

PSS 2

Features:
- Summary current transformer for 2 main circuits, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
2x5	5	5	0,5	1	PSS 2 5+5/5 5,0 0,5-WS 2 KREISE	**77470-3442**
2x5	5	10	0,5	1	PSS 2 5+5/5 10 0,5-WS 2 KREISE	**77470-3462**
2x5	5	15	0,5	1	PSS 2 5+5/5 15 0,5-WS 2 KREISE	**77470-3472**
2x1	5	10	0,5	1	PSS 2 1+1/5 10 0,5-WS 2 KREISE	**77470-3962**
2x1	5	15	0,5	1	PSS 2 1+1/5 15 0,5-WS 2 KREISE	**77470-3972**
2x5	1	5	0,5	1	PSS 2 5+5/1 5,0 0,5-WS 2 KREISE	**77470-8742**
2x5	1	10	0,5	1	PSS 2 5+5/1 10 0,5-WS 2 KREISE	**77470-8762**
2x5	1	15	0,5	1	PSS 2 5+5/1 15 0,5-WS 2 KREISE	**77470-8772**
2x1	1	5	0,5	1	PSS 2 1+1/1 5,0 0,5-WS 2 KREISE	**77470-8942**
2x1	1	10	0,5	1	PSS 2 1+1/1 10 0,5-WS 2 KREISE	**77470-8962**
2x1	1	15	0,5	1	PSS 2 1+1/1 15 0,5-WS 2 KREISE	**77470-8972**



77470-3443

PSS 2

Features:
- Summary current transformer for 2 main circuits, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
2x5	5	5	1	1	PSS 2 5+5/5 5,0 1-WS 2 KREISE	**77470-3443**
2x5	5	10	1	1	PSS 2 5+5/5 10 1-WS 2 KREISE	**77470-3463**
2x5	5	15	1	1	PSS 2 5+5/5 15 1-WS 2 KREISE	**77470-3473**
2x1	5	10	1	1	PSS 2 1+1/5 10 0,5-WS 2 KREISE	**77470-3963**
2x1	5	15	1	1	PSS 2 1+1/5 15 1-WS 2 KREISE	**77470-3973**
2x5	1	5	1	1	PSS 2 5+5/1 5,0 1-WS 2 KREISE	**77470-8743**
2x5	1	10	1	1	PSS 2 5+5/1 10 1-WS 2 KREISE	**77470-8763**
2x5	1	15	1	1	PSS 2 5+5/1 15 1-WS 2 KREISE	**77470-8773**
2x1	1	5	1	1	PSS 2 1+1/1 5,0 1-WS 2 KREISE	**77470-8943**
2x1	1	10	1	1	PSS 2 1+1/1 10 1-WS 2 KREISE HW 1:1	**77470-8963**
2x1	1	15	1	1	PSS 2 1+1/1 15 1-WS 2 KREISE	**77470-8973**

PGSU

Features:
- Summary current transformer for 3 to 10 main circuits, accuracy class 0.5

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
3 x 5	5	10	0,5	1	PGSU 3 5+5+5/5 10 0,5	**77844-3562**
4 x 5	5	10	0,5	1	PGSU 4 5+5+5+5/5 10 0,5	**77844-3662**
5 x 5	5	10	0,5	1	PGSU 5 5+5+5+5+5/5 10 0,5	**77844-3762**
6 x 5	5	10	0,5	1	PGSU 6 5+5+5+5+5+5/5 10 0,5	**77844-3862**
7 x 5	5	10	0,5	1	PGSU 7 5+5+5+5+5+5+5/5 10 0,5	**77844-4662**
8 x 5	5	10	0,5	1	PGSU 8 5+5+5+5+5+5+5+5/5 10 0,5	**77844-4762**
9 x 5	5	10	0,5	1	PGSU 9 5+5+5+5+5+5+5+5+5/5 10 0,5	**77844-4862**
10 x 5	5	10	0,5	1	PGSU 10 5+5+5+5+5+5+5+5+5+5/5 10 0,5	**77844-4962**
3 x 5	1	10	0,5	1	PGSU 3 1+1+1/1 10 0,5	**77844-9062**
4 x 5	1	10	0,5	1	PGSU 4 1+1+1+1/1 10 0,5	**77844-9162**
5 x 5	1	10	0,5	1	PGSU 5 1+1+1+1+1/1 10 0,5	**77844-9262**
6 x 5	1	10	0,5	1	PGSU 6 1+1+1+1+1+1/1 10 0,5	**77844-9362**
7 x 5	1	10	0,5	1	PGSU 7 1+1+1+1+1+1+1/1 10 0,5	**77844-9462**
8 x 5	1	10	0,5	1	PGSU 8 1+1+1+1+1+1+1+1/1 10 0,5	**77844-9762**
9 x 5	1	10	0,5	1	PGSU 9 1+1+1+1+1+1+1+1+1/1 10 0,5	**77844-9862**
10 x 5	1	10	0,5	1	PGSU 10 1+1+1+1+1+1+1+1+1+1/1 10 0,5	**77844-9962**

Summary current transformers

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PGSU

Features:
- Summary current transformer for 3 to 10 main circuits, accuracy class 1

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
3 x 5	5	10	1	1	PGSU 3 5+5+5/5 10 1	**77844-3563**
4 x 5	5	10	1	1	PGSU 4 5+5+5+5/5 10 1	**77844-3663**
5 x 5	5	10	1	1	PGSU 5 5+5+5+5+5/5 10 1	**77844-3763**
6 x 5	5	10	1	1	PGSU 6 5+5+5+5+5+5/5 10 1	**77844-3863**
7 x 5	5	10	1	1	PGSU 7 5+5+5+5+5+5+5/5 10 1	**77844-4663**
8 x 5	5	10	1	1	PGSU 8 5+5+5+5+5+5+5+5/5 10 1	**77844-4763**
9 x 5	5	10	1	1	PGSU 9 5+5+5+5+5+5+5+5+5/5 10 1	**77844-4863**
10 x 5	5	10	1	1	PGSU 10 5+5+5+5+5+5+5+5+5+5/5 10 1	**77844-4963**
3 x 5	1	10	1	1	PGSU 3 1+1+1/1 10 1	**77844-9063**
4 x 5	1	10	1	1	PGSU 4 1+1+1+1/1 10 1	**77844-9163**
5 x 5	1	10	1	1	PGSU 5 1+1+1+1+1/1 10 1	**77844-9263**
6 x 5	1	10	1	1	PGSU 6 1+1+1+1+1+1/1 10 1	**77844-9363**
7 x 5	1	10	1	1	PGSU 7 1+1+1+1+1+1+1/1 10 1	**77844-9463**
8 x 5	1	10	1	1	PGSU 8 1+1+1+1+1+1+1+1/1 10 1	**77844-9763**
9 x 5	1	10	1	1	PGSU 9 1+1+1+1+1+1+1+1+1/1 10 1	**77844-9863**
10 x 5	1	10	1	1	PGSU 10 1+1+1+1+1+1+1+1+1+1/1 10 1	**77844-9963**

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77508-1132

EPSA 315

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 30 x 10 mm, supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
75	5	1,5	0,5s	3	EPSA 315 75/5 1,5 0,5S-WA 30X10 60-55	**77508-1126**
75	5	2,5	0,5	3	EPSA 315 75/5 2,5 0,5-WA 30X10 60-55	**77508-1132**
100	5	1,5	0,5s	3	EPSA 315 100/5 1,5 0,5S-WA 30X10 60-55	**77508-1326**
100	5	2,5	0,2	3	EPSA 315 100/5 2,5 0,2-WA 30X10 60-55	**77508-1331**
100	5	2,5	0,5	3	EPSA 315 100/5 2,5 0,5-WA 30X10 60-55	**77508-1332**
250	1	15	1	3	PSA 315 250/1 15 1-WA 30X10 60-55	**77108-6773**
100	5	2,5	0,5s	3	EPSA 315 100/5 2,5 0,5S-WA 30X10 60-55	**77508-1336**
125	5	1,5	0,2	3	EPSA 315 125/5 1,5 0,2-WA 30X10 60-55	**77508-1421**
125	5	2,5	0,2	3	EPSA 315 125/5 2,5 0,2-WA 30X10 60-55	**77508-1431**
125	5	2,5	0,5	3	EPSA 315 125/5 2,5 0,5-WA 30X10 60-55	**77508-1432**
125	5	2,5	0,5s	3	EPSA 315 125/5 2,5 0,5S-WA 30X10 60-55	**77508-1436**
125	5	5	0,5	3	EPSA 315 125/5 5,0 0,5-WA 30X10 60-55	**77508-1442**
150	5	2,5	0,5	3	EPSA 315 150/5 2,5 0,5-WA 30X10 60-55	**77508-1532**
150	5	2,5	0,5s	3	EPSA 315 150/5 2,5 0,5S-WA 30X10 60-55	**77508-1536**
150	5	5	0,2	3	EPSA 315 150/5 5,0 0,2-WA 30X10 60-55	**77508-1541**
150	5	5	0,5	3	EPSA 315 150/5 5,0 0,5-WA 30X10 60-55	**77508-1542**
150	5	5	0,5s	3	EPSA 315 150/5 5,0 0,5S-WA 30X10 60-55	**77508-1546**
150	5	10	0,5	3	EPSA 315 150/5 10 0,5-WA 30X10 60-55	**77508-1562**
200	5	2,5	0,2	3	EPSA 315 200/5 2,5 0,2-WA 30X10 60-55	**77508-1631**
200	5	2,5	0,5	3	EPSA 315 200/5 2,5 0,5-WA 30X10 60-55	**77508-1632**
200	5	2,5	0,5s	3	EPSA 315 200/5 2,5 0,5S-WA 30X10 60-55	**77508-1636**
200	5	5	0,2	3	EPSA 315 200/5 5,0 0,2-WA 30X10 60-55	**77508-1641**
200	5	5	0,5	3	EPSA 315 200/5 5,0 0,5-WA 30X10 60-55	**77508-1642**
200	5	5	0,5s	3	EPSA 315 200/5 5,0 0,5S-WA 30X10 60-55	**77508-1646**
200	5	10	0,5	3	EPSA 315 200/5 10 0,5-WA 30X10 60-55	**77508-1662**
200	5	15	0,5	3	EPSA 315 200/5 15 0,5-WA 30X10 60-55	**77508-1672**
250	5	2,5	0,2	3	EPSA 315 250/5 2,5 0,2-WA 30X10 60-55	**77508-1731**
250	5	2,5	0,5	3	EPSA 315 250/5 2,5 0,5-WA 30X10 60-55	**77508-1732**
250	5	2,5	0,5s	3	EPSA 315 250/5 2,5 0,5S-WA 30X10 60-55	**77508-1736**
250	5	5	0,2	3	EPSA 315 250/5 5,0 0,2-WA 30X10 60-55	**77508-1741**
250	5	5	0,5	3	EPSA 315 250/5 5,0 0,5-WA 30X10 60-55	**77508-1742**
250	5	5	0,5s	3	EPSA 315 250/5 5,0 0,5S-WA 30X10 60-55	**77508-1746**
250	5	10	0,5	3	EPSA 315 250/5 10 0,5-WA 30X10 60-55	**77508-1762**
250	5	10	0,5s	3	EPSA 315 250/5 10 0,5S-WA 30X10 60-55	**77508-1766**
250	5	15	0,5	3	EPSA 315 250/5 15 0,5-WA 30X10 60-55	**77508-1772**
300	5	2,5	0,2	3	EPSA 315 300/5 2,5 0,2-WA 30X10 60-55	**77508-1831**
300	5	2,5	0,5	3	EPSA 315 300/5 2,5 0,5-WA 30X10 60-55	**77508-1832**
300	5	2,5	0,5s	3	EPSA 315 300/5 2,5 0,5S-WA 30X10 60-55	**77508-1836**
300	5	5	0,2	3	EPSA 315 300/5 5,0 0,2-WA 30X10 60-55	**77508-1841**
300	5	5	0,5	3	EPSA 315 300/5 5,0 0,5-WA 30X10 60-55	**77508-1842**
300	5	5	0,5s	3	EPSA 315 300/5 5,0 0,5S-WA 30X10 60-55	**77508-1846**
300	5	10	0,5	3	EPSA 315 300/5 10 0,5-WA 30X10 60-55	**77508-1862**
300	5	10	0,5s	3	EPSA 315 300/5 10 0,5S-WA 30X10 60-55	**77508-1866**
300	5	15	0,5	3	EPSA 315 300/5 15 0,5-WA 30X10 60-55	**77508-1872**
400	5	2,5	0,2	3	EPSA 315 400/5 2,5 0,2-WA 30X10 60-55	**77508-1931**
400	5	2,5	0,5	3	EPSA 315 400/5 2,5 0,5-WA 30X10 60-55	**77508-1932**
400	5	2,5	0,5s	3	EPSA 315 400/5 2,5 0,5S-WA 30X10 60-55	**77508-1936**
400	5	5	0,2	3	EPSA 315 400/5 5,0 0,2-WA 30X10 60-55	**77508-1941**
400	5	5	0,5	3	EPSA 315 400/5 5,0 0,5-WA 30X10 60-55	**77508-1942**
400	5	5	0,5s	3	EPSA 315 400/5 5,0 0,5S-WA 30X10 60-55	**77508-1946**
400	5	10	0,2	3	EPSA 315 400/5 10 0,2-WA 30X10 60-55	**77508-1961**
400	5	10	0,5	3	EPSA 315 400/5 10 0,5-WA 30X10 60-55	**77508-1962**
400	5	10	0,5s	3	EPSA 315 400/5 10 0,5S-WA 30X10 60-55	**77508-1966**
400	5	15	0,2	3	EPSA 315 400/5 15 0,2-WA 30X10 60-55	**77508-1971**
400	5	15	0,5	3	EPSA 315 400/5 15 0,5-WA 30X10 60-55	**77508-1972**

PTB-compliant current transformers for billing purposes

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77508-1132

EPSA 315

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 30 x 10 mm, supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	15	0,5s	3	EPSA 315 400/5 15 0,5S-WA 30X10 60-55	**77508-1976**
500	5	2,5	0,2	3	EPSA 315 500/5 2,5 0,2-WA 30X10 60-55	**77508-2031**
500	5	2,5	0,5	3	EPSA 315 500/5 2,5 0,5-WA 30X10 60-55	**77508-2032**
500	5	2,5	0,5s	3	EPSA 315 500/5 2,5 0,5S-WA 30X10 60-55	**77508-2036**
500	5	5	0,2	3	EPSA 315 500/5 5,0 0,2-WA 30X10 60-55	**77508-2041**
500	5	5	0,5	3	EPSA 315 500/5 5,0 0,5-WA 30X10 60-55	**77508-2042**
500	5	5	0,5s	3	EPSA 315 500/5 5,0 0,5S-WA 30X10 60-55	**77508-2046**
500	5	10	0,2	3	EPSA 315 500/5 10 0,2-WA 30X10 60-55	**77508-2061**
500	5	10	0,5	3	EPSA 315 500/5 10 0,5-WA 30X10 60-55	**77508-2062**
500	5	10	0,5s	3	EPSA 315 500/5 10 0,5S-WA 30X10 60-55	**77508-2066**
500	5	15	0,2	3	EPSA 315 500/5 15 0,2-WA 30X10 60-55	**77508-2071**
500	5	15	0,5	3	EPSA 315 500/5 15 0,5-WA 30X10 60-55	**77508-2072**
500	5	15	0,5s	3	EPSA 315 500/5 15 0,5S-WA 30X10 60-55	**77508-2076**
600	5	2,5	0,2	3	EPSA 315 600/5 2,5 0,2-WA 30X10 60-55	**77508-2131**
600	5	2,5	0,5	3	EPSA 315 600/5 2,5 0,5-WA 30X10 60-55	**77508-2132**
600	5	2,5	0,5s	3	EPSA 315 600/5 2,5 0,5S-WA 30X10 60-55	**77508-2136**
600	5	5	0,2	3	EPSA 315 600/5 5,0 0,2-WA 30X10 60-55	**77508-2141**
600	5	5	0,5	3	EPSA 315 600/5 5,0 0,5-WA 30X10 60-55	**77508-2142**
600	5	5	0,5s	3	EPSA 315 600/5 5,0 0,5S-WA 30X10 60-55	**77508-2146**
600	5	10	0,2	3	EPSA 315 600/5 10 0,2-WA 30X10 60-55	**77508-2161**
600	5	10	0,5	3	EPSA 315 600/5 10 0,5-WA 30X10 60-55	**77508-2162**
600	5	10	0,5s	3	EPSA 315 600/5 10 0,5S-WA 30X10 60-55	**77508-2166**
600	5	15	0,2	3	EPSA 315 600/5 15 0,2-WA 30X10 60-55	**77508-2171**
600	5	15	0,5	3	EPSA 315 600/5 15 0,5-WA 30X10 60-55	**77508-2172**
600	5	15	0,5s	3	EPSA 315 600/5 15 0,5S-WA 30X10 60-55	**77508-2176**



77511-2142

EPSA 415

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 40 x 12 mm (30 x 25), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
200	5	2,5	0,5	3	EPSA 415 200/5 2,5 0,5-WA 40x12 60-55	**77511-1632**
200	5	5	0,5	3	EPSA 415 200/5 5,0 0,5-WA 40X10 60-55	**77511-1642**
250	5	2,5	0,5	3	EPSA 415 250/5 2,5 0,5-WA 40x12 60-55	**77511-1732**
250	5	2,5	0,5s	3	EPSA 415 250/5 2,5 0,5s-WA 40X10 60-55	**77511-1736**
250	5	5	0,5	3	EPSA 415 250/5 5,0 0,5-WA 40X10 60-55	**77511-1742**
250	5	5	0,5s	3	EPSA 415 250/5 5,0 0,5s-WA 40X10 60-55	**77511-1746**
300	5	2,5	0,5	3	EPSA 415 300/5 2,5 0,5-WA 40x12 60-55	**77511-1832**
300	5	2,5	0,5s	3	EPSA 415 300/5 2,5 0,5s-WA 40X10 60-55	**77511-1836**
300	5	5	0,5	3	EPSA 415 300/5 5,0 0,5-WA 40X12 60-55	**77511-1842**
300	5	5	0,5s	3	EPSA 415 300/5 5,0 0,5s-WA 40X12 60-55	**77511-1846**
300	5	10	0,5	3	EPSA 415 300/5 10 0,5-WA 40X12 60-55	**77511-1862**
400	5	2,5	0,2	3	EPSA 415 400/5 2,5 0,2-WA 40x12 60-55	**77511-1931**
400	5	2,5	0,5	3	EPSA 415 400/5 2,5 0,5-WA 40x12 60-55	**77511-1932**
400	5	2,5	0,5s	3	EPSA 415 400/5 2,5 0,5s-WA 40X10 60-55	**77511-1936**
400	5	5	0,2	3	EPSA 415 400/5 5,0 0,2-WA 40X10 60-55	**77511-1941**
400	5	5	0,5	3	EPSA 415 400/5 5,0 0,5-WA 40X12 60-55	**77511-1942**
400	5	5	0,5s	3	EPSA 415 400/5 5,0 0,5S-WA 40X12 60-55	**77511-1946**
400	5	10	0,5	3	EPSA 415 400/5 10 0,5-WA 40X12 60-55	**77511-1962**
400	5	10	0,5s	3	EPSA 415 400/5 10 0,5s-WA 40X12 60-55	**77511-1966**
500	5	2,5	0,2	3	EPSA 415 500/5 2,5 0,2-WA 40x12 60-55	**77511-2031**
500	5	2,5	0,5	3	EPSA 415 500/5 2,5 0,5-WA 40x12 60-55	**77511-2032**
500	5	2,5	0,5s	3	EPSA 415 500/5 2,5 0,5s-WA 40X10 60-55	**77511-2036**
500	5	5	0,2	3	EPSA 415 500/5 5,0 0,2-WA 40X12 60-55	**77511-2041**
500	5	5	0,5	3	EPSA 415 500/5 5,0 0,5-WA 40X12 60-55	**77511-2042**

PTB-compliant current transformers for billing purposes

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77511-2142

EPSA 415

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 40 x 12 mm (30 x 25), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
500	5	5	0,5s	3	EPSA 415 500/5 5,0 0,5s-WA 40X12 60-55	**77511-2046**
500	5	10	0,5	3	EPSA 415 500/5 10 0,5-WA 40X12 60-55	**77511-2062**
500	5	10	0,5s	3	EPSA 415 500/5 10 0,5S-WA 40X12 60-55	**77511-2066**
600	5	2,5	0,2	3	EPSA 415 600/5 2,5 0,2-WA 40x12 60-55	**77511-2131**
600	5	2,5	0,5	3	EPSA 415 600/5 2,5 0,5-WA 40x12 60-55	**77511-2132**
600	5	2,5	0,5s	3	EPSA 415 600/5 2,5 0,5s-WA 40X10 60-55	**77511-2136**
600	5	5	0,2	3	EPSA 415 600/5 5,0 0,2-WA 40X10 60-55	**77511-2141**
600	5	5	0,5	3	EPSA 415 600/5 5,0 0,5-WA 40X12 60-55	**77511-2142**
600	5	5	0,5s	3	EPSA 415 600/5 5,0 0,5s-WA 40X12 60-55	**77511-2146**
600	5	10	0,5	3	EPSA 415 600/5 10 0,5-WA 40X12 60-55	**77511-2162**
600	5	10	0,5s	3	EPSA 415 600/5 10 0,5s-WA 40X12 60-55	**77511-2166**
600	5	15	0,5	3	EPSA 415 600/5 15 0,5-WA 40X12 60-55	**77511-2172**



77512-1942

EPSA 417.1

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 40 x 12 mm (30 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
150	5	2,5	0,5	3	EPSA 417.1 150/5 2,5 0,5-WA 40X12 70-55	**77512-1532**
150	5	2,5	0,5s	3	EPSA 417.1 150/5 2,5 0,5S-WA 40X12 70-55	**77512-1536**
150	5	5	0,5s	3	EPSA 417.1 150/5 5,0 0,5S-WA 40X12 70-55	**77512-1546**
150	5	9	0,5	3	EPSA 417.1 150/5 2,5 0,5s	**77512-1592**
200	5	2,5	0,2	3	EPSA 417.1 200/5 2,5 0,2-WA 40X12 70-55	**77512-1631**
200	5	2,5	0,5	3	EPSA 417.1 200/5 2,5 0,5-WA 40X12 70-55	**77512-1632**
200	5	2,5	0,5s	3	EPSA 417.1 200/5 2,5 0,5S-WA 40X12 70-55	**77512-1636**
200	5	5	0,5s	3	EPSA 417.1 200/5 5,0 0,5S-WA 40X12 70-55	**77512-1646**
250	5	2,5	0,2	3	EPSA 417.1 250/5 2,5 0,2-WA 40X12 70-55	**77512-1731**
250	5	2,5	0,5	3	EPSA 417.1 250/5 2,5 0,5-WA 40X12 70-55	**77512-1732**
250	5	2,5	0,5s	3	EPSA 417.1 250/5 2,5 0,5S-WA 40X12 70-55	**77512-1736**
250	5	5	0,5	3	EPSA 417.1 250/5 5,0 0,5-WA 40X12 70-55	**77512-1742**
250	5	5	0,5s	3	EPSA 417.1 250/5 5,0 0,5S-WA 40X12 70-55	**77512-1746**
250	5	10	0,5s	3	EPSA 417.1 250/5 10 0,5S-WA 40X12 70-55	**77512-1766**
300	5	2,5	0,2	3	EPSA 417.1 300/5 2,5 0,2-WA 40X12 70-55	**77512-1831**
300	5	2,5	0,5	3	EPSA 417.1 300/5 2,5 0,5-WA 40X12 70-55	**77512-1832**
300	5	2,5	0,5s	3	EPSA 417.1 300/5 2,5 0,5S-WA 40X12 70-55	**77512-1836**
300	5	5	0,2	3	EPSA 417.1 300/5 5,0 0,2-WA 40X12 70-55	**77512-1841**
300	5	5	0,5	3	EPSA 417.1 300/5 5,0 0,5-WA 40X12 70-55	**77512-1842**
300	5	5	0,5s	3	EPSA 417.1 300/5 5,0 0,5S-WA 40X12 70-55	**77512-1846**
300	5	10	0,5	3	EPSA 417.1 300/5 10 0,5-WA 40X12 70-55	**77512-1862**
300	5	10	0,5s	3	EPSA 417.1 300/5 10 0,5S-WA 40X12 70-55	**77512-1866**
400	5	2,5	0,2	3	EPSA 417.1 400/5 2,5 0,2-WA 40X12 70-55	**77512-1931**
400	5	2,5	0,5	3	EPSA 417.1 400/5 2,5 0,5-WA 40X12 70-55	**77512-1932**
400	5	2,5	0,5s	3	EPSA 417.1 400/5 2,5 0,5S-WA 40X12 70-55	**77512-1936**
400	5	5	0,2	3	EPSA 417.1 400/5 5,0 0,2-WA 40X12 70-55	**77512-1941**
400	5	5	0,5	3	EPSA 417.1 400/5 5,0 0,5-WA 40X12 70-55	**77512-1942**
400	5	5	0,5s	3	EPSA 417.1 400/5 5,0 0,5S-WA 40X12 70-55	**77512-1946**
400	5	10	0,5	3	EPSA 417.1 400/5 10 0,5-WA 40X12 70-55	**77512-1962**
400	5	10	0,5s	3	EPSA 417.1 400/5 10 0,5s-WA 40X12 70-55	**77512-1966**
400	5	15	0,5s	3	EPSA 417.1 400/5 15 0,5s-WA 40X12 70-55	**77512-1976**
500	5	2,5	0,2	3	EPSA 417.1 500/5 2,5 0,2-WA 40X12 70-55	**77512-2031**
500	5	2,5	0,5	3	EPSA 417.1 500/5 2,5 0,5-WA 40X12 70-55	**77512-2032**
500	5	2,5	0,5s	3	EPSA 417.1 500/5 2,5 0,5S-WA 40X12 70-55	**77512-2036**
500	5	5	0,2	3	EPSA 417.1 500/5 5,0 0,2-WA 40X12 70-55	**77512-2041**
500	5	5	0,5	3	EPSA 417.1 500/5 5,0 0,5-WA 40X12 70-55	**77512-2042**
500	5	5	0,5s	3	EPSA 417.1 500/5 5,0 0,5S-WA 40X12 70-55	**77512-2046**

PTB-compliant current transformers for billing purposes

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77512-1942

EPSA 417.1

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 40 x 12 mm (30 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
500	5	10	0,5	3	EPSA 417.1 500/5 10 0,5-WA 40X12 70-55	**77512-2062**
500	5	10	0,5s	3	EPSA 417.1 500/5 10 0,5S-WA 40X12 70-55	**77512-2066**
500	5	15	0,5s	3	EPSA 417.1 500/5 15 0,5S-WA 40X12 70-55	**77512-2076**
600	5	2,5	0,2	3	EPSA 417.1 600/5 2,5 0,2-WA 40X12 70-55	**77512-2131**
600	5	2,5	0,5	3	EPSA 417.1 600/5 2,5 0,5-WA 40X12 70-55	**77512-2132**
600	5	2,5	0,5s	3	EPSA 417.1 600/5 2,5 0,5S-WA 40X12 70-55	**77512-2136**
600	5	5	0,2	3	EPSA 417.1 600/5 5,0 0,2-WA 40X12 70-55	**77512-2141**
600	5	5	0,5	3	EPSA 417.1 600/5 5,0 0,5-WA 40X12 70-55	**77512-2142**
600	5	5	0,5s	3	EPSA 417.1 600/5 5,0 0,5S-WA 40X12 70-55	**77512-2146**
600	5	10	0,5	3	EPSA 417.1 600/5 10 0,5-WA 40X12 70-55	**77512-2162**
600	5	10	0,5s	3	EPSA 417.1 600/5 10 0,5S-WA 40X12 70-55	**77512-2166**
600	5	15	0,5	3	EPSA 417.1 600/5 15 0,5-WA 40X12 70-55	**77512-2172**
600	5	15	0,5s	3	EPSA 417.1 600/5 15 0,5s-WA 40X12 70-55	**77512-2176**
750	5	2,5	0,2	3	EPSA 417.1 750/5 2,5 0,2-WA 40X12 70-55	**77512-2231**
750	5	2,5	0,5	3	EPSA 417.1 750/5 2,5 0,5-WA 40X12 70-55	**77512-2232**
750	5	2,5	0,5s	3	EPSA 417.1 750/5 2,5 0,5S-WA 40X12 70-55	**77512-2236**
750	5	5	0,2	3	EPSA 417.1 750/5 5,0 0,2-WA 40X12 70-55	**77512-2241**
750	5	5	0,5	3	EPSA 417.1 750/5 5,0 0,5-WA 40X12 70-55	**77512-2242**
750	5	5	0,5s	3	EPSA 417.1 750/5 5,0 0,5S-WA 40X12 70-55	**77512-2246**
750	5	10	0,5	3	EPSA 417.1 750/5 10 0,5-WA 40X12 70-55	**77512-2262**
750	5	10	0,5s	3	EPSA 417.1 750/5 10 0,5s-WA 40X12 70-55	**77512-2266**
750	5	15	0,5	3	EPSA 417.1 750/5 15 0,5-WA 40X12 70-55	**77512-2272**
750	5	15	0,5s	3	EPSA 417.1 750/5 15 0,5s-WA 40X12 70-55	**77512-2276**
800	5	2,5	0,2	3	EPSA 417.1 800/5 2,5 0,2-WA 40X12 70-55	**77512-2331**
800	5	2,5	0,5	3	EPSA 417.1 800/5 2,5 0,5-WA 40X12 70-55	**77512-2332**
800	5	2,5	0,5s	3	EPSA 417.1 800/5 2,5 0,5S-WA 40X12 70-55	**77512-2336**
800	5	5	0,2	3	EPSA 417.1 800/5 5,0 0,2-WA 40X12 70-55	**77512-2341**
800	5	5	0,5	3	EPSA 417.1 800/5 5 0,5-WA 40X12 70-55	**77512-2342**
800	5	5	0,5s	3	EPSA 417.1 800/5 5,0 0,5S-WA 40X12 70-55	**77512-2346**
800	5	10	0,5	3	EPSA 417.1 800/5 10 0,5-WA 40X12 70-55	**77512-2362**
800	5	10	0,5s	3	EPSA 417.1 800/5 10 0,5s-WA 40X12 70-55	**77512-2366**
800	5	15	0,5	3	EPSA 417.1 800/5 15 0,5-WA 40X12 70-55	**77512-2372**
800	5	15	0,5s	3	EPSA 417.1 800/5 15 0,5s-WA 40X12 70-55	**77512-2376**
1000	5	2,5	0,2	3	EPSA 417.1 1000/5 2,5 0,2-WA 40X12 70-55	**77512-2431**
1000	5	2,5	0,5	3	EPSA 417.1 1000/5 2,5 0,5-WA 40X12 70-55	**77512-2432**
1000	5	2,5	0,5s	3	EPSA 417.1 1000/5 2,5 0,5S-WA 40X12 70-55	**77512-2436**
1000	5	5	0,2	3	EPSA 417.1 1000/5 5,0 0,2-WA 40X12 70-55	**77512-2441**
1000	5	5	0,5	3	EPSA 417.1 1000/5 5,0 0,5-WA 40X12 70-55	**77512-2442**
1000	5	5	0,5s	3	EPSA 417.1 1000/5 5 0,5S-WA 40X12 70-55	**77512-2446**
1000	5	10	0,2	3	EPSA 417.1 1000/5 5,0 0,2-WA 40X12 70-55	**77512-2461**
1000	5	10	0,5	3	EPSA 417.1 1000/5 10 0,5-WA 40X12 70-55	**77512-2462**
1000	5	10	0,5s	3	EPSA 417.1 1000/5 10 0,5s-WA 40X12 70-55	**77512-2466**
1000	5	15	0,5	3	EPSA 417.1 1000/5 15 0,5-WA 40X12 70-55	**77512-2472**
1000	5	15	0,5s	3	EPSA 417.1 1000/5 15 0,5s-WA 40X12 70-55	**77512-2476**



77517-1842

EPSA 517.1

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 50 x 12 mm (40 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
250	5	2,5	0,5	3	EPSA 517.1 250/5 2,5 0,5-WA 50X12 70-55	**77517-1732**
250	5	2,5	0,5s	3	EPSA 517.1 250/5 2,5 0,5s-WA 50X12 70-55	**77517-1736**
250	5	5	0,5	3	EPSA 517.1 250/5 5,0 0,5-WA 50X12 70-55	**77517-1742**
250	5	5	0,5s	3	EPSA 517.1 250/5 5,0 0,5s-WA 50X12 70-55	**77517-1746**
300	5	2,5	0,5	3	EPSA 517.1 300/5 2,5 0,5-WA 50X12 70-55	**77517-1832**

PTB-compliant current transformers for billing purposes

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77517-1842

EPSA 517.1

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 50 x 12 mm (40 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
300	5	2,5	0,5s	3	EPSA 517.1 300/5 2,5 0,5s-WA 50X12 70-55	**77517-1836**
300	5	5	0,5	3	EPSA 517.1 300/5 5,0 0,5-WA 50X12 70-55	**77517-1842**
300	5	5	0,5s	3	EPSA 517.1 300/5 5,0 0,5s-WA 50X12 70-55	**77517-1846**
400	5	2,5	0,5	3	EPSA 517.1 400/5 2,5 0,5-WA 50X12 70-55	**77517-1932**
400	5	2,5	0,5s	3	EPSA 517.1 400/5 2,5 0,5s-WA 50X12 70-55	**77517-1936**
400	5	5	0,5s	3	EPSA 517.1 400/5 5,0 0,5s-WA 50X12 70-55	**77517-1946**
400	5	10	0,5s	3	EPSA 517.1 400/5 10 0,5s-WA 50X12 70-55	**77517-1966**
500	5	2,5	0,2	3	EPSA 517.1 500/5 2,5 0,2-WA 50X12 70-55	**77517-2031**
500	5	2,5	0,5	3	EPSA 517.1 500/5 2,5 0,5-WA 50X12 70-55	**77517-2032**
500	5	5	0,2	3	EPSA 517.1 500/5 5,0 0,2-WA 50X12 70-55	**77517-2041**
500	5	5	0,5	3	EPSA 517.1 500/5 5,0 0,5-WA 50X12 70-55	**77517-2042**
500	5	5	0,5s	3	EPSA 517.1 500/5 5,0 0,5s-WA 50X12 70-55	**77517-2046**
500	5	10	0,5	3	EPSA 517.1 500/5 10 0,5-WA 50X12 70-55	**77517-2062**
500	5	10	0,5s	3	EPSA 517.1 500/5 10 0,5S-WA 50X12 70-55	**77517-2066**
600	5	2,5	0,2	3	EPSA 517.1 600/5 2,5 0,2-WA 50X12 70-55	**77517-2131**
600	5	2,5	0,5	3	EPSA 517.1 600/5 2,5 0,5-WA 50X12 70-55	**77517-2132**
600	5	2,5	0,5s	3	EPSA 517.1 600/5 2,5 0,5s-WA 50X12 70-55	**77517-2136**
600	5	5	0,2	3	EPSA 517.1 600/5 5,0 0,2-WA 50X12 70-55	**77517-2141**
600	5	5	0,5	3	EPSA 517.1 600/5 5,0 0,5-WA 50X12 70-55	**77517-2142**
600	5	5	0,5s	3	EPSA 517.1 600/5 5,0 0,5S-WA 50X12 70-55	**77517-2146**
600	5	10	0,5	3	EPSA 517.1 600/5 5,0 10-WA 50X12 70-55	**77517-2162**
600	5	10	0,5s	3	EPSA 517.1 600/5 10 0,5s-WA 50X12 70-55	**77517-2166**
750	5	2,5	0,5	3	EPSA 517.1 750/5 2,5 0,5-WA 50X12 70-55	**77517-2232**
750	5	2,5	0,5s	3	EPSA 517.1 750/5 2,5 0,5s-WA 50X12 70-55	**77517-2236**
750	5	5	0,2	3	EPSA 517.1 750/5 5,0 0,2-WA 50X12 70-55	**77517-2241**
750	5	5	0,5	3	EPSA 517.1 750/5 5,0 0,5-WA 50X12 70-55	**77517-2242**
750	5	5	0,5s	3	EPSA 517.1 750/5 5,0 0,5s-WA 50X12 70-55	**77517-2246**
750	5	10	0,5	3	EPSA 517.1 750/5 10 0,5-WA 50X12 70-55	**77517-2262**
750	5	10	0,5s	3	EPSA 517.1 750/5 10 0,5s-WA 50X12 70-55	**77517-2266**
800	5	2,5	0,2	3	EPSA 517.1 800/5 2,5 0,2-WA 50X12 70-55	**77517-2331**
800	5	2,5	0,5	3	EPSA 517.1 800/5 2,5 0,5-WA 50X12 70-55	**77517-2332**
800	5	2,5	0,5s	3	EPSA 517.1 800/5 2,5 0,5s-WA 50X12 70-55	**77517-2336**
800	5	5	0,2	3	EPSA 517.1 800/5 5,0 0,2-WA 50X12 70-55	**77517-2341**
800	5	5	0,5	3	EPSA 517.1 800/5 5,0 0,5-WA 50X12 70-55	**77517-2342**
800	5	5	0,5s	3	EPSA 517.1 800/5 5,0 0,5S-WA 50X12 70-55	**77517-2346**
800	5	10	0,2	3	EPSA 517.1 800/5 10 0,2-WA 50X12 70-55	**77517-2361**
800	5	10	0,5	3	EPSA 517.1 800/5 10 0,5-WA 50X12 70-55	**77517-2362**
800	5	10	0,5s	3	EPSA 517.1 800/5 10 0,5S-WA 50X12 70-55	**77517-2366**
1000	5	2,5	0,2	3	EPSA 517.1 1000/5 2,5 0,2-WA 50X12 70-55	**77517-2431**
1000	5	2,5	0,5	3	EPSA 517.1 1000/5 2,5 0,5-WA 50X12 70-55	**77517-2432**
1000	5	2,5	0,5s	3	EPSA 517.1 1000/5 2,5 0,5s-WA 50X12 70-55	**77517-2436**
1000	5	5	0,2	3	EPSA 517.1 1000/5 5 0,2-WA 50X12 70-55	**77517-2441**
1000	5	5	0,5	3	EPSA 517.1 1000/5 5,0 0,5-WA 50X12 70-55	**77517-2442**
1000	5	5	0,5s	3	EPSA 517.1 1000/5 5 0,5S-WA 50X12 70-55	**77517-2446**
1000	5	10	0,2	3	EPSA 517.1 1000/5 10 0,2-WA 50X12 70-55	**77517-2461**
1000	5	10	0,5	3	EPSA 517.1 1000/5 10 0,5-WA 50X12 70-55	**77517-2462**
1000	5	10	0,5s	3	EPSA 517.1 1000/5 10 0,5S-WA 50X12 70-55	**77517-2466**

PTB-compliant current transformers for billing purposes

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77516-1831

EPSA 514

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 50 x 12 mm (40 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
300	5	2,5	0,2	1	EPSA 514 300/5 2,5 0,2-WA 40X30 100-40	**77516-1831**
300	5	5	0,2	1	EPSA 514 300/5 5 0,2-WA 40X30 100-40	**77516-1841**
300	5	5	0,5	1	EPSA 514 300/5 5,0 0,5-WA 40X30 100-40	**77516-1842**
300	5	5	0,5s	1	EPSA 514 300/5 5 0,5s-WA 40X30 100-40	**77516-1846**
300	5	10	0,2	1	EPSA 514 300/5 10 0,2-WA 40X30 100-40	**77516-1861**
300	5	10	0,5	1	EPSA 514 300/5 10 0,5-WA 40X30 100-40	**77516-1862**
300	5	10	0,5s	1	EPSA 514 300/5 10 0,5s-WA 40X30 100-40	**77516-1866**
300	5	15	0,5	1	EPSA 514 300/5 15 0,5-WA 40X30 100-40	**77516-1872**
300	5	15	0,5s	1	EPSA 514 300/5 15 0,5s-WA 40X30 100-40	**77516-1876**
400	5	2,5	0,2	1	EPSA 514 400/5 2,5 0,2-WA 40X30 100-40	**77516-1931**
400	5	5	0,2	1	EPSA 514 400/5 5 0,2-WA 40X30 100-40	**77516-1941**
400	5	5	0,5	1	EPSA 514 400/5,0 0,5-WA 40X30 100-40	**77516-1942**
400	5	5	0,5s	1	EPSA 514 400/5,0 0,5S-WA 40X30 100-40	**77516-1946**
400	5	10	0,2	1	EPSA 514 400/5 10 0,2-WA 40X30 100-40	**77516-1961**
400	5	10	0,5	1	EPSA 514 400/5 10 0,5-WA 40X30 100-40	**77516-1962**
400	5	15	0,5	1	EPSA 514 400/5 15 0,5-WA 40X30 100-40	**77516-1972**
400	5	15	0,5s	1	EPSA 514 400/5 15 0,5s-WA 40X30 100-40	**77516-1976**
500	5	5	0,2	1	EPSA 514 500/5 5 0,2-WA 40X30 100-40	**77516-2041**
500	5	5	0,5	1	EPSA 514 500/5 5 0,5-WA 40X30 100-40	**77516-2042**
500	5	5	0,5s	1	EPSA 514 500/5 5 0,5s-WA 40X30 100-40	**77516-2046**
500	5	10	0,2	1	EPSA 514 500/5 10 0,2-WA 40X30 100-40	**77516-2061**
500	5	10	0,5	1	EPSA 514 500/5 10 0,5-WA 40X30 100-40	**77516-2062**
500	5	10	0,5s	1	EPSA 514 500/5 10 0,5s-WA 40X30 100-40	**77516-2066**
500	5	15	0,5	1	EPSA 514 500/5 15 0,5-WA 40X30 100-40	**77516-2072**
500	5	15	0,5s	1	EPSA 514 500/5 15 0,5s-WA 40X30 100-40	**77516-2076**
600	5	5	0,2	1	EPSA 514 600/5 5 0,2-WA 40X30 100-40	**77516-2141**
600	5	5	0,5	1	EPSA 514 600/5 5 0,5-WA 40X30 100-40	**77516-2142**
600	5	5	0,5s	1	EPSA 514 600/5 5 0,5s-WA 40X30 100-40	**77516-2146**
600	5	10	0,2	1	EPSA 514 600/5 10 0,2-WA 40X30 100-40	**77516-2161**
600	5	10	0,5	1	EPSA 514 600/5 10 0,5-WA 40X30 100-40	**77516-2162**
600	5	10	0,5s	1	EPSA 514 600/5 10 0,5S-WA 40X30 100-40	**77516-2166**
600	5	15	0,5	1	EPSA 514 600/5 15 0,5-WA 40X30 100-40	**77516-2172**
600	5	15	0,5s	1	EPSA 514 600/5 15 0,5s-WA 40X30 100-40	**77516-2176**
600	5	30	0,5	1	EPSA 514 600/5 30 0,5-WA 40X30 100-40	**77516-2182**
600	5	30	0,5s	1	EPSA 514 600/5 30 0,5s-WA 40X30 100-40	**77516-2186**
750	5	5	0,2	1	EPSA 514 750/5 5 0,2-WA 40X30 100-40	**77516-2241**
750	5	5	0,5	1	EPSA 514 750/5 5 0,5-WA 40X30 100-40	**77516-2242**
750	5	5	0,5s	1	EPSA 514 750/5 5 0,5s-WA 40X30 100-40	**77516-2246**
750	5	10	0,2	1	EPSA 514 750/5 10 0,2-WA 40X30 100-40	**77516-2261**
750	5	10	0,5	1	EPSA 514 750/5 10 0,5-WA 40X30 100-40	**77516-2262**
750	5	15	0,2	1	EPSA 514 750/5 15 0,2-WA 40X30 100-40	**77516-2271**
750	5	15	0,5	1	EPSA 514 750/5 15 0,5-WA 40X30 100-40	**77516-2272**
750	5	15	0,5s	1	EPSA 514 750/5 15 0,5s-WA 40X30 100-40	**77516-2276**
750	5	30	0,5	1	EPSA 514 750/5 30 0,5-WA 40X30 100-40	**77516-2282**
750	5	30	0,5s	1	EPSA 514 750/5 30 0,5s-WA 40X30 100-40	**77516-2286**
800	5	5	0,2	1	EPSA 514 800/5 5 0,2-WA 40X30 100-40	**77516-2341**
800	5	5	0,5	1	EPSA 514 800/5 5 0,5-WA 40X30 100-40	**77516-2342**
800	5	5	0,5s	1	EPSA 514 800/5 5 0,5s-WA 40X30 100-40	**77516-2346**
800	5	10	0,2	1	EPSA 514 800/5 10 0,2-WA 40X30 100-40	**77516-2361**
800	5	10	0,5	1	EPSA 514 800/5 10 0,5-WA 40X30 100-40	**77516-2362**
800	5	10	0,5s	1	EPSA 514 800/5 10 0,5s-WA 40X30 100-40	**77516-2366**
800	5	15	0,2	1	EPSA 514 800/5 15 0,2-WA 40X30 100-40	**77516-2371**
800	5	15	0,5	1	EPSA 514 800/5 15 0,5-WA 40X30 100-40	**77516-2372**
800	5	15	0,5s	1	EPSA 514 800/5 15 0,5s-WA 40X30 100-40	**77516-2376**
800	5	30	0,2	1	EPSA 514 800/5 30 0,2-WA 40X30 100-40	**77516-2381**

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77516-1831

EPSA 514

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 50 x 12 mm (40 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
800	5	30	0,5	1	EPSA 514 800/5 30 0,5-WA 40X30 100-40	**77516-2382**
800	5	30	0,5s	1	EPSA 514 800/5 30 0,5s-WA 40X30 100-40	**77516-2386**
1000	5	5	0,2	1	EPSA 514 1000/5 5 0,2-WA 40X30 100-40	**77516-2441**
1000	5	5	0,5	1	EPSA 514 1000/5 5 0,5-WA 40X30 100-40	**77516-2442**
1000	5	5	0,5s	1	EPSA 514 1000/5 5 0,5s-WA 40X30 100-40	**77516-2446**
1000	5	10	0,2	1	EPSA 514 1000/5 10 0,2-WA 40X30 100-40	**77516-2461**
1000	5	10	0,5	1	EPSA 514 1000/5 10 0,5-WA 40X30 100-40	**77516-2462**
1000	5	10	0,5s	1	EPSA 514 1000/5 10 0,5S-WA 40X30 100-40	**77516-2466**
1000	5	15	0,2	1	EPSA 514 1000/5 15 0,2-WA 40X30 100-40	**77516-2471**
1000	5	15	0,5	1	EPSA 514 1000/5 15 0,5-WA 40X30 100-40	**77516-2472**
1000	5	15	0,5s	1	EPSA 514 1000/5 15 0,5s-WA 40X30 100-40	**77516-2476**
1000	5	30	0,2	1	EPSA 514 1000/5 30 0,2-WA 40X30 100-40	**77516-2481**
1000	5	30	0,5	1	EPSA 514 1000/5 30 0,5-WA 40X30 100-40	**77516-2482**
1000	5	30	0,5s	1	EPSA 514 1000/5 30 0,5s-WA 40X30 100-40	**77516-2486**
1200	5	5	0,2	1	EPSA 514 1200/5 5 0,2-WA 40X30 100-40	**77516-2541**
1200	5	5	0,5	1	EPSA 514 1200/5 5 0,5-WA 40X30 100-40	**77516-2542**
1200	5	5	0,5s	1	EPSA 514 1200/5 5 0,5s-WA 40X30 100-40	**77516-2546**
1200	5	10	0,2	1	EPSA 514 1200/5 10 0,2-WA 40X30 100-40	**77516-2561**
1200	5	10	0,5	1	EPSA 514 1200/5 10 0,5-WA 40X30 100-40	**77516-2562**
1200	5	10	0,5s	1	EPSA 514 1200/5 10 0,5s-WA 40X30 100-40	**77516-2566**
1200	5	15	0,2	1	EPSA 514 1200/5 15 0,2-WA 40X30 100-40	**77516-2571**
1200	5	15	0,5	1	EPSA 514 1200/5 15 0,5-WA 40X30 100-40	**77516-2572**
1200	5	15	0,5s	1	EPSA 514 1200/5 15 0,5s-WA 40X30 100-40	**77516-2576**
1200	5	30	0,2	1	EPSA 514 1200/5 30 0,2-WA 40X30 100-40	**77516-2581**
1200	5	30	0,5	1	EPSA 514 1200/5 30 0,5-WA 40X30 100-40	**77516-2582**
1200	5	30	0,5s	1	EPSA 514 1200/5 30 0,5s-WA 40X30 100-40	**77516-2586**
1250	5	5	0,2	1	EPSA 514 1250/5 5 0,2-WA 40X30 100-40	**77516-2641**
1250	5	5	0,5	1	EPSA 514 1250/5 5 0,5-WA 40X30 100-40	**77516-2642**
1250	5	5	0,5s	1	EPSA 514 1250/5 5 0,5S-WA 40X30 100-40	**77516-2646**
1250	5	10	0,2	1	EPSA 514 1250/5 10 0,2-WA 40X30 100-40	**77516-2661**
1250	5	10	0,5	1	EPSA 514 1250/5 10 0,5-WA 40X30 100-40	**77516-2662**
1250	5	10	0,5s	1	EPSA 514 1250/5 10 0,5S-WA 40X30 100-40	**77516-2666**
1250	5	15	0,2	1	EPSA 514 1250/5 15 0,2-WA 40X30 100-40	**77516-2671**
1250	5	15	0,5	1	EPSA 514 1250/5 15 0,5-WA 40X30 100-40	**77516-2672**
1250	5	15	0,5s	1	EPSA 514 1250/5 15 0,5s-WA 40X30 100-40	**77516-2676**
1250	5	30	0,2	1	EPSA 514 1250/5 30 0,2-WA 40X30 100-40	**77516-2681**
1250	5	30	0,5	1	EPSA 514 1250/5 30 0,5-WA 40X30 100-40	**77516-2682**
1250	5	30	0,5s	1	EPSA 514 1250/5 30 0,5s-WA 40X30 100-40	**77516-2686**



77522-2542

EPSA 614

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 12 mm (50 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
300	5	2,5	0,5	3	EPSA 614 300/5 2,5 0,5-WA 60X10 100-40	**77522-1832**
300	5	2,5	0,5s	3	EPSA 614 300/5 2,5 0,5s-WA 60X10 100-40	**77522-1836**
300	5	5	0,5	3	EPSA 614 300/5 5,0 0,5-WA 60X10 100-40	**77522-1842**
500	5	5	0,5	3	EPSA 614 500/5 5,0 0,5-WA 60X10 100-40	**77522-2042**
600	5	10	0,5s	3	EPSA 614 600/5 10 0,5S-WA 60X10 100-40	**77522-2166**
800	5	10	0,5	3	EPSA 614 800/5 10 0,5-WA 60X10 100-40	**77522-2362**
300	5	5	0,5s	3	EPSA 614 300/5 5,0 0,5s-WA 60X10 100-40	**77522-1846**
400	5	2,5	0,2	3	EPSA 614 400/5 2,5 0,2-WA 60X10 100-40	**77522-1931**
400	5	2,5	0,5	3	EPSA 614 400/5 2,5 0,5-WA 60X10 100-40	**77522-1932**
400	5	2,5	0,5s	3	EPSA 614 400/5 2,5 0,5s-WA 60X10 100-40	**77522-1936**
400	5	5	0,2	3	EPSA 614 400/5 5,0 0,2-WA 60X10 100-40	**77522-1941**

PTB-compliant current transformers for billing purposes

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EPSA 614

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 12 mm (50 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	5	0,5	3	EPSA 614 400/5 5,0 0,5-WA 60X10 100-40	**77522-1942**
400	5	5	0,5s	3	EPSA 614 400/5 5,0 0,5s-WA 60X10 100-40	**77522-1946**
400	5	10	0,5	3	EPSA 614 400/5 10 0,5-WA 60X10 100-40	**77522-1962**
400	5	10	0,5s	3	EPSA 614 400/5 10 0,5s-WA 60X10 100-40	**77522-1966**
500	5	2,5	0,2	3	EPSA 614 500/5 2,5 0,2-WA 60X10 100-40	**77522-2031**
500	5	2,5	0,5	3	EPSA 614 500/5 2,5 0,5-WA 60X10 100-40	**77522-2032**
500	5	2,5	0,5s	3	EPSA 614 500/5 2,5 0,5s-WA 60X10 100-40	**77522-2036**
500	5	5	0,2	3	EPSA 614 500/5 5,0 0,2-WA 60X10 100-40	**77522-2041**
500	5	5	0,5s	3	EPSA 614 500/5 5,0 0,5s-WA 60X10 100-40	**77522-2046**
500	5	10	0,5	3	EPSA 614 500/5 10 0,5-WA 60X10 100-40	**77522-2062**
500	5	10	0,5s	3	EPSA 614 500/5 10 0,5s-WA 60X10 100-40	**77522-2066**
600	5	5	0,2	3	EPSA 614 600/5 5,0 0,2-WA 60X10 100-40	**77522-2141**
600	5	5	0,5	3	EPSA 614 600/5 5,0 0,5-WA 60X10 100-40	**77522-2142**
600	5	5	0,5s	3	EPSA 614 600/5 5,0 0,5s-WA 60X10 100-40	**77522-2146**
600	5	10	0,2	3	EPSA 614 600/5 10 0,2	**77522-2161**
600	5	10	0,5	3	EPSA 614 600/5 10 0,5-WA 60X10 100-40	**77522-2162**
600	5	15	0,5	3	EPSA 614 600/5 15 0,5-WA 60X10 100-40	**77522-2172**
600	5	15	0,5s	3	EPSA 614 600/5 15 0,5s	**77522-2176**
750	5	5	0,2	3	EPSA 614 750/5 5,0 0,2-WA 60X10 100-40	**77522-2241**
750	5	5	0,5	3	EPSA 614 750/5 5,0 0,5-WA 60x10 100-40	**77522-2242**
750	5	5	0,5s	3	EPSA 614 750/5 5,0 0,5s-WA 60X10 100-40	**77522-2246**
750	5	10	0,2	3	EPSA 614 750/5 10 0,2	**77522-2261**
750	5	10	0,5	3	EPSA 614 750/5 10 0,5-WA 60X10 100-40	**77522-2262**
750	5	10	0,5s	3	EPSA 614 750/5 10 0,5S-WA 60X10 100-40	**77522-2266**
750	5	15	0,5	3	EPSA 614 750/5 15 0,5-WA 60X10 100-40	**77522-2272**
750	5	15	0,5s	3	EPSA 614 750/5 15 0,5S-WA 60X10 100-40	**77522-2276**
800	5	5	0,2	3	EPSA 614 800/5 5,0 0,2-WA 60X10 100-40	**77522-2341**
800	5	5	0,5	3	EPSA 614 800/5 5,0 0,5-WA 60X10 100-40	**77522-2342**
800	5	5	0,5s	3	EPSA 614 800/5 5,0 0,5s-WA 60X10 100-40	**77522-2346**
800	5	10	0,2	3	EPSA 614 800/5 10 0,2	**77522-2361**
800	5	10	0,5s	3	EPSA 614 800/5 10 0,5S-WA 60X10 100-40	**77522-2366**
800	5	15	0,5	3	EPSA 614 800/5 15 0,5-WA 60X10 100-40	**77522-2372**
800	5	15	0,5s	3	EPSA 614 800/5 15 0,5s-WA 60X10 100-40	**77522-2376**
1000	5	5	0,2	3	EPSA 614 1000/5 5,0 0,2-WA 60x10 100-40	**77522-2441**
1000	5	5	0,5	3	EPSA 614 1000/5 5,0 0,5-WA 60X10 100-40	**77522-2442**
1000	5	5	0,5s	3	EPSA 614 1000/5 5 0,5s-WA 60x10 100-40	**77522-2446**
1000	5	10	0,2	3	EPSA 614 1000/5 10 0,2-WA 60X10 100-40	**77522-2461**
1000	5	10	0,5	3	EPSA 614 1000/5 10 0,5-WA 60X10 100-40	**77522-2462**
1000	5	10	0,5s	3	EPSA 614 1000/5 10 0,5S-WA 60X10 100-40	**77522-2466**
1000	5	15	0,5	3	EPSA 614 1000/5 15 0,5-WA 60X10 100-40	**77522-2472**
1000	5	15	0,5s	3	EPSA 614 1000/5 15 0,5s-WA 60X10 100-40	**77522-2476**
1200	5	5	0,2	3	EPSA 614 1200/5 10 0,2-WA 60X10 100-40	**77522-2541**
1200	5	5	0,5	3	EPSA 614 1200/5 5 0,5-WA 60x10 100-40	**77522-2542**
1200	5	5	0,5s	3	EPSA 614 1200/5 5 0,5S - WA 60X10 100-40	**77522-2546**
1200	5	10	0,2	3	EPSA 614 1200/5 10 0,2-WA 60X10 100-40	**77522-2561**
1200	5	10	0,5	3	EPSA 614 1200/5 10 0,5-WA 60X10 100-40	**77522-2562**
1200	5	10	0,5s	3	EPSA 614 1200/5 10 0,5s-WA 60X10 100-40	**77522-2566**
1200	5	15	0,2	3	EPSA 614 1200/5 15 0,2-WA 60X10 100-40	**77522-2571**
1200	5	15	0,5	3	EPSA 614 1200/5 15 0,5-WA 60X10 100-40	**77522-2572**
1200	5	15	0,5s	3	EPSA 614 1200/5 15 0,5s-WA 60X10 100-40	**77522-2576**
1200	5	30	0,5	3	EPSA 614 1200/5 30 0,5-WA 60X10 100-40	**77522-2582**
1200	5	30	0,5s	3	EPSA 614 1200/5 30 0,5s-WA 60X10 100-40	**77522-2586**
1250	5	5	0,2	3	EPSA 614 1250/5 10 0,2-WA 60X10 100-40	**77522-2641**
1250	5	5	0,5	3	EPSA 614 1250/5 10 0,5-WA 60X10 100-40	**77522-2642**
1250	5	5	0,5s	3	EPSA 614 1250/5 5 0,5s-WA 60X10 100-40	**77522-2646**

PTB-compliant current transformers for billing purposes

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EPSA 614

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 12 mm (50 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1250	5	10	0,2	3	EPSA 614 1250/5 10 0,2-WA 60X10 100-40	**77522-2661**
1250	5	10	0,5	3	EPSA 614 1250/5 10 0,5-WA 60X10 100-40	**77522-2662**
1250	5	10	0,5s	3	EPSA 614 1250/5 10 0,5S-WA 60X10 100-40	**77522-2666**
1250	5	15	0,2	3	EPSA 614 1250/5 15 0,2-WA 60X10 100-40	**77522-2671**
1250	5	15	0,5	3	EPSA 614 1250/5 15 0,5-WA 60X10 100-40	**77522-2672**
1250	5	15	0,5s	3	EPSA 614 1250/5 15 0,5s-WA 60X10 100-40	**77522-2676**
1250	5	30	0,2	3	EPSA 614 1250/5 30 0,2-WA 60X10 100-40	**77522-2681**
1250	5	30	0,5	3	EPSA 614 1250/5 30 0,5-WA 60X10 100-40	**77522-2682**
1250	5	30	0,5s	3	EPSA 614 1250/5 30 0,5s-WA 60X10 100-40	**77522-2686**
1500	5	5	0,2	3	EPSA 614 1500/5 10 0,2-WA 60X10 100-40	**77522-2741**
1500	5	5	0,5	3	EPSA 614 1500/5 10 0,5-WA 60X10 100-40	**77522-2742**
1500	5	5	0,5s	3	EPSA 614 1500/5 5 0,5s-WA 60X10 100-40	**77522-2746**
1500	5	10	0,2	3	EPSA 614 1500/5 10 0,2-WA 60X10 100-40	**77522-2761**
1500	5	10	0,5	3	EPSA 614 1500/5 10 0,5-WA 60X10 100-40	**77522-2762**
1500	5	10	0,5s	3	EPSA 614 1500/5 10 0,5s-WA 60X10 100-40	**77522-2766**
1500	5	15	0,2	3	EPSA 614 1500/5 15 0,2-WA 60X10 100-40	**77522-2771**
1500	5	15	0,5	3	EPSA 614 1500/5 15 0,5-WA 60X10 100-40	**77522-2772**
1500	5	15	0,5s	3	EPSA 614 1500/5 15 0,5s-WA 60X10 100-40	**77522-2776**
1500	5	30	0,2	3	EPSA 614 1500/5 30 0,2-WA 60X10 100-40	**77522-2781**
1500	5	30	0,5	3	EPSA 614 1500/5 30 0,5-WA 60X10 100-40	**77522-2782**
1500	5	30	0,5s	3	EPSA 614 1500/5 30 0,5s-WA 60X10 100-40	**77522-2786**



77523-2032

EPSA 634

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 30 mm (50 x 40), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	2,5	0,2	3	EPSA 634 400/5 2,5 0,2-WA 60X30 100-40	**77523-1931**
400	5	2,5	0,5	3	EPSA 634 400/5 2,5 0,5-WA 60X30 100-40	**77523-1932**
400	5	2,5	0,5s	3	EPSA 634 400/5 2,5 0,5s-WA 60X30 100-40	**77523-1936**
400	5	5	0,5	3	EPSA 634 400/5 5,0 0,5-WA 60X30 100-40	**77523-1942**
400	5	5	0,5s	3	EPSA 634 400/5 5,0 0,5s-WA 60X30 100-40	**77523-1946**
500	5	2,5	0,2	3	EPSA 634 500/5 2,5 0,2-WA 60X30 100-40	**77523-2031**
500	5	2,5	0,5	3	EPSA 634 500/5 2,5 0,5-WA 60X30 100-40	**77523-2032**
500	5	2,5	0,5s	3	EPSA 634 500/5 2,5 0,5s-WA 60X30 100-40	**77523-2036**
500	5	5	0,2	3	EPSA 634 500/5 5,0 0,2-WA 60X30 100-40	**77523-2041**
500	5	5	0,5	3	EPSA 634 500/5 5,0 0,5-WA 60X30 100-40	**77523-2042**
500	5	5	0,5s	3	EPSA 634 500/5 5,0 0,5s-WA 60X30 100-40	**77523-2046**
500	5	10	0,5	3	EPSA 634 500/5 10 0,5-WA 60X30 100-40	**77523-2062**
500	5	10	0,5s	3	EPSA 634 500/5 10 0,5s-WA 60X30 100-40	**77523-2066**
600	5	2,5	0,2	3	EPSA 634 600/5 2,5 0,2-WA 60X30 100-40	**77523-2131**
600	5	5	0,2	3	EPSA 634 600/5 5 0,2-WA 60X30 100-40	**77523-2141**
750	5	2,5	0,2	3	EPSA 634 750/5 2,5 0,2-WA 60X30 100-40	**77523-2231**
750	5	5	0,2	3	EPSA 634 750/5 5,0 0,2-WA 60X30 100-40	**77523-2241**
750	5	10	0,2	3	EPSA 634 750/5 10 0,2-WA 60X30 100-40	**77523-2261**
800	5	2,5	0,2	3	EPSA 634 800/5 2,5 0,2-WA 60X30 100-40	**77523-2331**
800	5	5	0,2	3	EPSA 634 800/5 5,0 0,2-WA 60X30 100-40	**77523-2341**
800	5	5	0,5	3	EPSA 634 800/5 5,0 0,5-WA 60X30 100-40	**77523-2342**
800	5	5	0,5s	3	EPSA 634 800/5 5,0 0,5s-WA 60X30 100-40	**77523-2346**
800	5	10	0,2	3	EPSA 634 800/5 10 0,2-WA 60X30 100-40	**77523-2361**
800	5	10	0,5	3	EPSA 634 800/5 10 0,5-WA 60X30 100-40	**77523-2362**
800	5	10	0,5s	3	EPSA 634 800/5 10 0,5s-WA 60X30 100-40	**77523-2366**
800	5	15	0,5	3	EPSA 634 800/5 15 0,5-WA 60X30 100-40	**77523-2372**
800	5	15	0,5s	3	EPSA 634 800/5 15 0,5s-WA 60X30 100-40	**77523-2376**
1000	5	5	0,2	3	EPSA 634 1000/5 5,0 0,2-WA 60X30 100-40	**77523-2441**

PTB-compliant current transformers for billing purposes

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77523-2032

EPSA 634

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 30 mm (50 x 40), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1000	5	5	0,5	3	EPSA 634 1000/5 5 0,5-WA 60X30 100-40	**77523-2442**
1000	5	5	0,5s	3	EPSA 634 1000/5 5,0 0,5s-WA 60X30 100-40	**77523-2446**
1000	5	10	0,2	3	EPSA 634 1000/5 10 0,2-WA 60X30 100-40	**77523-2461**
1000	5	10	0,5	3	EPSA 634 1000/5 10 0,5-WA 60X30 100-40	**77523-2462**
1000	5	10	0,5s	3	EPSA 634 1000/5 10 0,5s-WA 60X30 100-40	**77523-2466**
1000	5	15	0,5	3	EPSA 634 1000/5 15 0,5-WA 60X30 100-40	**77523-2472**
1000	5	15	0,5s	3	EPSA 634 1000/5 15 0,5s-WA 60X30 100-40	**77523-2476**
1000	5	30	0,5	3	EPSA 634 1000/5 30 0,5-WA 60X30 100-40	**77523-2482**
1000	5	30	0,5s	3	EPSA 634 1000/5 30 0,5s-WA 60X30 100-40	**77523-2486**
1200	5	5	0,2	3	EPSA 634 1200/5 5,0 0,2-WA 60X30 100-40	**77523-2541**
1200	5	5	0,5	3	EPSA 634 1200/5 5 0,5-WA 60X30 100-40	**77523-2542**
1200	5	5	0,5s	3	EPSA 634 1200/5 5,0 0,5s-WA 60X30 100-40	**77523-2546**
1200	5	10	0,2	3	EPSA 634 1200/5 10 0,2-WA 60X30 100-40	**77523-2561**
1200	5	10	0,5	3	EPSA 634 1200/5 10 0,5-WA 60X30 100-40	**77523-2562**
1200	5	10	0,5s	3	EPSA 634 1200/5 10 0,5s-WA 60X30 100-40	**77523-2566**
1200	5	15	0,5	3	EPSA 634 1200/5 15 0,5-WA 60X30 100-40	**77523-2572**
1200	5	15	0,5s	3	EPSA 634 1200/5 15 0,5s-WA 60X30 100-40	**77523-2576**
1200	5	30	0,5	3	EPSA 634 1200/5 30 0,5-WA 60X30 100-40	**77523-2582**
1200	5	30	0,5s	3	EPSA 634 1200/5 30 0,5s-WA 60X30 100-40	**77523-2586**
1250	5	5	0,2	3	EPSA 634 1250/5 5,0 0,2-WA 60X30 100-40	**77523-2641**
1250	5	5	0,5	3	EPSA 634 1250/5 5,0 0,5-WA 60X30 100-40	**77523-2642**
1250	5	5	0,5s	3	EPSA 634 1250/5 5,0 0,5s-WA 60X30 100-40	**77523-2646**
1250	5	10	0,2	3	EPSA 634 1250/5 10 0,2-WA 60X30 100-40	**77523-2661**
1250	5	10	0,5	3	EPSA 634 1250/5 10 0,5-WA 60X30 100-40	**77523-2662**
1250	5	10	0,5s	3	EPSA 634 1250/5 10 0,5s-WA 60X30 100-40	**77523-2666**
1250	5	15	0,2	3	EPSA 634 1250/5 15 0,2-WA 60X30 100-40	**77523-2671**
1250	5	15	0,5	3	EPSA 634 1250/5 15 0,5-WA 60X30 100-40	**77523-2672**
1250	5	15	0,5s	3	EPSA 634 1250/5 15 0,5s-WA 60X30 100-40	**77523-2676**
1250	5	30	0,5	3	EPSA 634 1250/5 30 0,5-WA 60X30 100-40	**77523-2682**
1250	5	30	0,5s	3	EPSA 634 1250/5 30 0,5s-WA 60X30 100-40	**77523-2686**
1500	5	5	0,2	3	EPSA 634 1500/5 5,0 0,2-WA 60X30 100-40	**77523-2741**
1500	5	5	0,5	3	EPSA 634 1500/5 5,0 0,5-WA 60X30 100-40	**77523-2742**
1500	5	5	0,5s	3	EPSA 634 1500/5 5,0 0,5s-WA 60X30 100-40	**77523-2746**
1500	5	10	0,2	3	EPSA 634 1500/5 10 0,2-WA 60X30 100-40	**77523-2761**
1500	5	10	0,5	3	EPSA 634 1500/5 10 0,5-WA 60X30 100-40	**77523-2762**
1500	5	10	0,5s	3	EPSA 634 1500/5 10 0,5s-WA 60X30 100-40	**77523-2766**
1500	5	15	0,2	3	EPSA 634 1500/5 15 0,2-WA 60X30 100-40	**77523-2771**
1500	5	15	0,5	3	EPSA 634 1500/5 15 0,5-WA 60X30 100-40	**77523-2772**
1500	5	15	0,5s	3	EPSA 634 1500/5 15 0,5s-WA 60X30 100-40	**77523-2776**
1500	5	30	0,5	3	EPSA 634 1500/5 30 0,5-WA 60X30 100-40	**77523-2782**
1500	5	30	0,5s	3	EPSA 634 1500/5 30 0,5s-WA 60X30 100-40	**77523-2786**
1600	5	5	0,2	3	EPSA 634 1600/5 5,0 0,2-WA 60X30 100-40	**77523-2841**
1600	5	5	0,5	3	EPSA 634 1600/5 5,0 0,5-WA 60X30 100-40	**77523-2842**
1600	5	5	0,5s	3	EPSA 634 1600/5 5,0 0,5s-WA 60X30 100-40	**77523-2846**
1600	5	10	0,2	3	EPSA 634 1600/5 10 0,2-WA 60X30 100-40	**77523-2861**
1600	5	10	0,5	3	EPSA 634 1600/5 10 0,5-WA 60X30 100-40	**77523-2862**
1600	5	10	0,5s	3	EPSA 634 1600/5 10 0,5s-WA 60X30 100-40	**77523-2866**
1600	5	15	0,2	3	EPSA 634 1600/5 15 0,2-WA 60X30 100-40	**77523-2871**
1600	5	15	0,5	3	EPSA 634 1600/5 15 0,5-WA 60X30 100-40	**77523-2872**
1600	5	15	0,5s	3	EPSA 634 1600/5 15 0,5s-WA 60X30 100-40	**77523-2876**
1600	5	30	0,5	3	EPSA 634 1600/5 30 0,5-WA 60X30 100-40	**77523-2882**
1600	5	30	0,5s	3	EPSA 634 1600/5 30 0,5s-WA 60X30 100-40	**77523-2886**
2000	5	5	0,2	3	EPSA 634 2000/5 5,0 0,2-WA 60X30 100-40	**77523-2941**
2000	5	5	0,5	3	EPSA 634 2000/5 5,0 0,5-WA 60X30 100-40	**77523-2942**
2000	5	5	0,5s	3	EPSA 634 2000/5 5,0 0,5s-WA 60X30 100-40	**77523-2946**

PTB-compliant current transformers for billing purposes

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77523-2032

EPSA 634

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 60 x 30 mm (50 x 40), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
2000	5	10	0,2	3	EPSA 634 2000/5 10 0,2-WA 60X30 100-40	**77523-2961**
2000	5	10	0,5	3	EPSA 634 2000/5 10 0,5-WA 60X30 100-40	**77523-2962**
2000	5	10	0,5s	3	EPSA 634 2000/5 10 0,5s-WA 60X30 100-40	**77523-2966**
2000	5	15	0,2	3	EPSA 634 2000/5 15 0,2-WA 60X30 100-40	**77523-2971**
2000	5	15	0,5	3	EPSA 634 2000/5 15 0,5-WA 60X30 100-40	**77523-2972**
2000	5	15	0,5s	3	EPSA 634 2000/5 15 0,5S-WA 60X30 100-40	**77523-2976**
2000	5	30	0,5	3	EPSA 634 2000/5 30 0,5-WA 60X30 100-40	**77523-2982**
2000	5	30	0,5s	3	EPSA 634 2000/5 30 0,5s-WA 60X30 100-40	**77523-2986**



77524-1932

EPSA 814

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 80 x 10 mm (60 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
400	5	2,5	0,5	3	EPSA 814 400/5 2,5 0,5-WA 80X10 100-40	**77524-1932**
400	5	2,5	0,5s	3	EPSA 814 400/5 2,5 0,5s-WA 80X10 100-40	**77524-1936**
400	5	5	0,5	3	EPSA 814 400/5 5,0 0,5-WA 80X10 100-40	**77524-1942**
400	5	5	0,5s	3	EPSA 814 400/5 5 0,5s-WA 80X10 100-40	**77524-1946**
500	5	2,5	0,2	3	EPSA 814 500/5 2,5 0,2-WA 80X10 100-40	**77524-2031**
500	5	2,5	0,5	3	EPSA 814 500/5 2,5 0,5-WA 80X10 100-40	**77524-2032**
500	5	2,5	0,5s	3	EPSA 814 500/5 2,5 0,5s-WA 80X10 100-40	**77524-2036**
500	5	5	0,5	3	EPSA 814 500/5 5,0 0,5-WA 80X10 100-40	**77524-2042**
500	5	5	0,5s	3	EPSA 814 500/5 5 0,5s-WA 80X10 100-40	**77524-2046**
600	5	2,5	0,2	3	EPSA 814 600/5 2,5 0,2-WA 80X10 100-40	**77524-2131**
600	5	2,5	0,5	3	EPSA 814 600/5 2,5 0,5-WA 80X10 100-40	**77524-2132**
600	5	2,5	0,5s	3	EPSA 814 600/5 2,5 0,5s-WA 80X10 100-40	**77524-2136**
600	5	5	0,5	3	EPSA 814 600/5 5 0,5-WA 80x10 100-40	**77524-2142**
600	5	5	0,5s	3	EPSA 814 600/5 5 0,5S-WA 80X10 100-40	**77524-2146**
600	5	10	0,5	3	EPSA 814 600/5 10 0,5-WA 80X10 100-40	**77524-2162**
750	5	2,5	0,2	3	EPSA 814 750/5 2,5 0,2-WA 80X10 100-40	**77524-2231**
750	5	2,5	0,5	3	EPSA 814 750/5 2,5 0,5-WA 80X10 100-40	**77524-2232**
750	5	2,5	0,5s	3	EPSA 814 750/5 2,5 0,5s-WA 80X10 100-40	**77524-2236**
750	5	5	0,2	3	EPSA 814 750/5 5,0 0,2-WA 80X10 100-40	**77524-2241**
750	5	5	0,5	3	EPSA 814 750/5 5,0 0,5-WA 80X10 100-40	**77524-2242**
750	5	5	0,5s	3	EPSA 814 750/5 5,0 0,5s-WA 80X10 100-40	**77524-2246**
750	5	10	0,5	3	EPSA 814 750/5 10 0,5-WA 80X10 100-40	**77524-2262**
750	5	10	0,5s	3	EPSA 814 750/5 10 0,5s-WA 80X10 100-40	**77524-2266**
800	5	2,5	0,2	3	EPSA 814 800/5 2,5 0,2-WA 80X10 100-40	**77524-2331**
800	5	5	0,2	3	EPSA 814 800/5 5,0 0,2-WA 80X10 100-40	**77524-2341**
800	5	5	0,5	3	EPSA 814 800/5 5,0 0,5-WA 80X10 100-40	**77524-2342**
800	5	5	0,5s	3	EPSA 814 800/5 5,0 0,5s-WA 80X10 100-40	**77524-2346**
800	5	10	0,5	3	EPSA 814 800/5 10 0,5-WA 80X10 100-40	**77524-2362**
800	5	10	0,5s	3	EPSA 814 8000/5 10 0,5s-WA 80X10 100-40	**77524-2366**
1000	5	2,5	0,2	3	EPSA 814 1000/5 2,5 0,2-WA 80x10 100-40	**77524-2431**
1000	5	5	0,2	3	EPSA 814 1000/5 5,0 0,2-WA 80X10 100-40	**77524-2441**
1000	5	5	0,5	3	EPSA 814 1000/5 5,0 0,5-WA 80X10 100-40	**77524-2442**
1000	5	5	0,5s	3	EPSA 814 1000/5 5,0 0,5s-WA 80X10 100-40	**77524-2446**
1000	5	10	0,5	3	EPSA 814 1000/5 10 0,5-WA 80X10 100-40	**77524-2462**
1000	5	10	0,5s	3	EPSA 814 1000/5 10 0,5S-WA 80X10 100-40	**77524-2466**
1000	5	15	0,5	3	EPSA 814 1000/5 15 0,5-WA 80X10 100-40	**77524-2472**
1000	5	15	0,5s	3	EPSA 814 1000/5 15 0,5s-WA 80X10 100-40	**77524-2476**
1200	5	2,5	0,2	3	EPSA 814 1200/5 2,5 0,2-WA 80X10 100-40	**77524-2531**
1200	5	5	0,2	3	EPSA 814 1200/5 5,0 0,2-WA 80X10 100-40	**77524-2541**
1200	5	5	0,5	3	EPSA 814 1200/5 5,0 0,5-WA 80X10 100-40	**77524-2542**
1200	5	5	0,5s	3	EPSA 814 1200/5 5,0 0,5s-WA 80X10 100-40	**77524-2546**

PTB-compliant current transformers for billing purposes

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77524-1932

EPSA 814

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 80 x 10 mm (60 x 30), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1200	5	10	0,5	3	EPSA 814 1200/5 10 0,5-WA 80x10 100-40	**77524-2562**
1200	5	10	0,5s	3	EPSA 814 1200/5 10 0,5s-WA 80X10 100-40	**77524-2566**
1200	5	15	0,5	3	EPSA 814 1200/5 15 0,5-WA 80X10 100-40	**77524-2572**
1200	5	15	0,5s	3	EPSA 814 1200/5 15 0,5s-WA 80X10 100-40	**77524-2576**
1250	5	2,5	0,2	3	EPSA 814 1250/5 2,5 0,2-WA 80X10 100-40	**77524-2631**
1250	5	5	0,2	3	EPSA 814 1250/5 5,0 0,2-WA 80X10 100-40	**77524-2641**
1250	5	5	0,5	3	EPSA 814 1250/5 5,0 0,5-WA 80X10 100-40	**77524-2642**
1250	5	5	0,5s	3	EPSA 814 1250/5 5,0 0,5s-WA 80X10 100-40	**77524-2646**
1250	5	10	0,5	3	EPSA 814 1250/5 10 0,5-WA 80X10 100-40	**77524-2662**
1250	5	10	0,5s	3	EPSA 814 1250/5 10 0,5s-WA 80X10 100-40	**77524-2666**
1250	5	15	0,5	3	EPSA 814 1250/5 15 0,5-WA 80X10 100-40	**77524-2672**
1250	5	15	0,5s	3	EPSA 814 1250/5 15 0,5s-WA 80X10 100-40	**77524-2676**
1500	5	2,5	0,2	3	EPSA 814 1500/5 2,5 0,2-WA 80X10 100-40	**77524-2731**
1500	5	5	0,2	3	EPSA 814 1500/5 5,0 0,2-WA 80X10 100-40	**77524-2741**
1500	5	5	0,5	3	EPSA 814 1500/5 5,0 0,5-WA 80X10 100-40	**77524-2742**
1500	5	5	0,5s	3	EPSA 814 1500/5 5,0 0,5s-WA 80X10 100-40	**77524-2746**
1500	5	10	0,5	3	EPSA 814 1500/5 10 0,5-WA 80X10 100-40	**77524-2762**
1500	5	10	0,5s	3	EPSA 814 1500/5 10 0,5S-WA 80X10 100-40	**77524-2766**
1500	5	15	0,5	3	EPSA 814 1500/5 15 0,5-WA 80X10 100-40	**77524-2772**
1500	5	15	0,5s	3	EPSA 814 1500/5 15 0,5s-WA 80X10 100-40	**77524-2776**
1600	5	2,5	0,2	3	EPSA 814 1600/5 2,5 0,2-WA 80X10 100-40	**77524-2831**
1600	5	5	0,2	3	EPSA 814 1600/5 5,0 0,2-WA 80X10 100-40	**77524-2841**
1600	5	5	0,5	3	EPSA 814 1600/5 5,0 0,5-WA 80X10 100-40	**77524-2842**
1600	5	5	0,5s	3	EPSA 814 1600/5 5,0 0,5S-WA 80x10 100-40	**77524-2846**
1600	5	10	0,5	3	EPSA 814 1600/5 10 0,5-WA 80X10 100-40	**77524-2862**
1600	5	10	0,5s	3	EPSA 814 1600/5 10 0,5s-WA 80X10 100-40	**77524-2866**
1600	5	15	0,5	3	EPSA 814 1600/5 15 0,5-WA 80X10 100-40	**77524-2872**
1600	5	15	0,5s	3	EPSA 814 1600/5 15 0,5s-WA 80X10 100-40	**77524-2876**



77525-3072

EPSA 1034

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 20 x 100 x 10 mm (80 x 50), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
600	5	2,5	0,5	1	EPSA 1034 600/5 2,5 0,5-WA2X100X10 135-40	**77525-2132**
600	5	5	0,5	1	EPSA 1034 600/5 5,0 0,5-WA2X100X10 135-40	**77525-2142**
600	5	5	0,5s	1	EPSA 1034 600/5 5,0 0,5s-WA2X100X10 135-40	**77525-2146**
600	5	10	0,5	1	EPSA 1034 600/5 10 0,5-WA2X100X10 1354	**77525-2162**
600	5	10	0,5s	1	EPSA 1034 600/5 10 0,5s-WA2X100X10 135-40	**77525-2166**
750	5	2,5	0,2	1	EPSA 1034 750/5 2,5 0,2-WA2X100X10 135-40	**77525-2231**
750	5	2,5	0,5	1	EPSA 1034 750/5 2,5 0,5-WA2X100X10 135-40	**77525-2232**
750	5	2,5	0,5s	1	EPSA 1034 750/5 2,5 0,5s-WA2X100X10 135-40	**77525-2236**
750	5	5	0,5	1	EPSA 1034 750/5 5,0 0,5-WA2X100X10 135-40	**77525-2242**
750	5	5	0,5s	1	EPSA 1034 750/5 5,0 0,5s-WA2X100X10 135-40	**77525-2246**
750	5	10	0,5	1	EPSA 1034 750/5 10 0,5-WA2X100X10 135-40	**77525-2262**
750	5	10	0,5s	1	EPSA 1034 750/5 10 0,5s-WA2X100X10 135-40	**77525-2266**
800	5	2,5	0,2	1	EPSA 1034 800/5 2,5 0,2-WA2X100X10 135-40	**77525-2331**
800	5	2,5	0,5	1	EPSA 1034 800/5 2,5 0,5-WA2X100X10 135-40	**77525-2332**
800	5	2,5	0,5s	1	EPSA 1034 800/5 2,5 0,5s-WA2X100X10 135-40	**77525-2336**
800	5	5	0,5	1	EPSA 1034 800/5 5,0 0,5-WA2X100X10 135-40	**77525-2342**
800	5	5	0,5s	1	EPSA 1034 800/5 5,0 0,5s-WA2X100X10 135-40	**77525-2346**
800	5	10	0,5	1	EPSA 1034 800/5 10 0,5-WA2X100X10 135-40	**77525-2362**
800	5	10	0,5s	1	EPSA 1034 800/5 10 0,5S-WA2X100X10 135-40	**77525-2366**
800	5	15	0,5	1	EPSA 1034 800/5 15 0,5-WA2X100X10 135-40	**77525-2372**
800	5	15	0,5s	1	EPSA 1034 800/5 15 0,5s-WA2X100X10 135-40	**77525-2376**

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77525-3072

EPSA 1034

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 20 x 100 x 10 mm (80 x 50), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
1000	5	2,5	0,2	1	EPSA 1034 1000/5 2,5 0,2-WA2X100X10 135-40	**77525-2431**
1000	5	2,5	0,5	1	EPSA 1034 1000/5 2,5 0,5-WA2X100X10 135-40	**77525-2432**
1000	5	2,5	0,5s	1	EPSA 1034 1000/5 2,5 0,5s-WA2X100X10 135-40	**77525-2436**
1000	5	5	0,2	1	EPSA 1034 1000/5 5,0 0,2-WA2X100X10 135-40	**77525-2441**
1000	5	5	0,5	1	EPSA 1034 1000/5 5,0 0,5-WA2X100X10 135-40	**77525-2442**
1000	5	5	0,5s	1	EPSA 1034 1000/5 5 0,5S-WA2x100x110	**77525-2446**
1000	5	10	0,5	1	EPSA 1034 1000/5 10 0,5-WA2X100X10 135-40	**77525-2462**
1000	5	10	0,5s	1	EPSA 1034 1000/5 10 0,5SWA2X100X10 135-40	**77525-2466**
1000	5	15	0,5	1	EPSA 1034 1000/5 15 0,5-WA2X100X10 135-40	**77525-2472**
1000	5	15	0,5s	1	EPSA 1034 1000/5 15 0,5SWA2X100X10 135-40	**77525-2476**
1200	5	2,5	0,2	1	EPSA 1034 1200/5 2,5 0,2-WA2X100X10 135-40	**77525-2531**
1200	5	5	0,2	1	EPSA 1034 1200/5 5 0,2-WA2X100X10 135-40	**77525-2541**
1200	5	5	0,5	1	EPSA 1034 1200/5 5 0,5-WA2X100X10 135-40	**77525-2542**
1200	5	5	0,5s	1	EPSA 1034 1200/5 5 0,5SWA2X100X10 135-40	**77525-2546**
1200	5	10	0,2	1	EPSA 1034 1200/5 10 0,2-WA2X100X10 135-40	**77525-2561**
1200	5	10	0,5	1	EPSA 1034 1200/5 10 0,5-WA2X100X10 135-40	**77525-2562**
1200	5	10	0,5s	1	EPSA 1034 1200/5 10 0,5s-WA2X100X10 135-40	**77525-2566**
1200	5	15	0,5	1	EPSA 1034 1200/5 15 0,5-WA2X100X10 135-40	**77525-2572**
1200	5	15	0,5s	1	EPSA 1034 1200/5 15 0,5s-WA2X100X10 135-40	**77525-2576**
1250	5	2,5	0,2	1	EPSA 1034 1250/5 2,5 0,2s-WA2X100X10 135-40	**77525-2631**
1250	5	2,5	0,5s	1	EPSA 1034 1250/5 2,5 0,5s-WA2X100X10 135-40	**77525-2636**
1250	5	5	0,2	1	EPSA 1034 1250/5 5,0 0,2-WA2X100X10 135-40	**77525-2641**
1250	5	5	0,5	1	EPSA 1034 1250 5 0,5-WA 80x10 100-40	**77525-2642**
1250	5	5	0,5s	1	EPSA 1034 1250/5 5,0 0,5SWA2X100X10 135-40	**77525-2646**
1250	5	10	0,2	1	EPSA 1034 1250/5 10 0,2-WA2X100X10 135-40	**77525-2661**
1250	5	10	0,5	1	EPSA 1034 1250/5 10 0,5-WA2X100X10 135-40	**77525-2662**
1250	5	10	0,5s	1	EPSA 1034 1250/5 10 0,5SWA2X100X10 135-40	**77525-2666**
1250	5	15	0,5	1	EPSA 1034 1250/5 15 0,5-WA2X100X10 135-40	**77525-2672**
1250	5	15	0,5s	1	EPSA 1034 1250/5 15 0,5SWA2X100X10 135-40	**77525-2676**
1500	5	5	0,2	1	EPSA 1034 1500/5 5 0,2-WA2X100X10 135-40	**77525-2741**
1500	5	5	0,5	1	EPSA 1034 1500/5 5 0,5-WA2X100X10 135-40	**77525-2742**
1500	5	5	0,5s	1	EPSA 1034 1500/5 5 0,5S-WA2X100X10 135-40	**77525-2746**
1500	5	10	0,2	1	EPSA 1034 1500/5 10 0,2-WA2X100X10 135-40	**77525-2761**
1500	5	10	0,5	1	EPSA 1034 1500/5 10 0,5-WA2X100X10 135-40	**77525-2762**
1500	5	10	0,5s	1	EPSA 1034 1500/5 10 0,5SWA2X100X10 135-40	**77525-2766**
1500	5	15	0,5	1	EPSA 1034 1500/5 15 0,5-WA2X100X10 135-40	**77525-2772**
1500	5	15	0,5s	1	EPSA 1034 1500/5 15 0,5s-WA2X100X10 135-40	**77525-2776**
1500	5	30	0,5	1	EPSA 1034 1500/5 30 0,5-WA2X100X10 135-40	**77525-2782**
1500	5	30	0,5s	1	EPSA 1034 1500/5 30 0,5s-WA2X100X10 135-40	**77525-2786**
1600	5	5	0,2	1	EPSA 1034 1600/5 5 0,2-WA2X100X10 135-40	**77525-2841**
1600	5	5	0,5	1	EPSA 1034 1600/5 5 0,5-WA2X100X10 135-40	**77525-2842**
1600	5	5	0,5s	1	EPSA 1034 1600/5 5 0,5S WA2X100X10	**77525-2846**
1600	5	10	0,2	1	EPSA 1034 1600/5 10 0,2-WA2X100X10 135-40	**77525-2861**
1600	5	10	0,5	1	EPSA 1034 1600/5 10 0,5-WA2X100X10 135-40	**77525-2862**
1600	5	10	0,5s	1	EPSA 1034 1600/5 10 0,5s-WA2X100X10 135-40	**77525-2866**
1600	5	15	0,5	1	EPSA 1034 1600/5 15 0,5-WA2X100X10 135-40	**77525-2872**
1600	5	15	0,5s	1	EPSA 1034 1600/5 15 0,5s-WA2X100X10 135-40	**77525-2876**
1600	5	30	0,5	1	EPSA 1034 1600/5 30 0,5-WA2X100X10 135-40	**77525-2882**
1600	5	30	0,5s	1	EPSA 1034 1600/5 30 0,5s-WA2X100X10 135-40	**77525-2886**
2000	5	5	0,2	1	EPSA 1034 2000/5 5 0,2-WA2X100X10 135-40	**77525-2941**
2000	5	5	0,5	1	EPSA 1034 2000/5 5 0,5-WA2X100X10 135-40	**77525-2942**
2000	5	5	0,5s	1	EPSA 1034 2000/5 5 0,5S-WA2X100X10 135-40	**77525-2946**
2000	5	10	0,2	1	EPSA 1034 2000/5 10 0,2-WA2X100X10 135-40	**77525-2961**
2000	5	10	0,5	1	EPSA 1034 2000/5 10 0,5-WA2X100X10 135-40	**77525-2962**
2000	5	10	0,5s	1	EPSA 1034 2000/5 10 0,5SWA2X100X10 135-40	**77525-2966**

PTB-compliant current transformers for billing purposes

▶ Technical data, page 320



77525-3072

EPSA 1034

Features:
- Window-type current transformer, PTB-compliant
- Primary busbar 20 x 100 x 10 mm (80 x 50), supplied with secondary terminal cover (SKLAD)

Primary current	Secondary current	VA	Accuracy class	PU	Product designation	Order no.
2000	5	15	0,2	1	EPSA 1034 2000/5 15 0,2-WA2X100X10 135-40	**77525-2971**
2000	5	15	0,5	1	EPSA 1034 2000/5 15 0,5-WA2X100X10 135-40	**77525-2972**
2000	5	15	0,5s	1	EPSA 1034 2000/5 15 0,5s-WA2X100X10 135-40	**77525-2976**
2000	5	30	0,5	1	EPSA 1034 2000/5 30 0,5-WA2X100X10 135-40	**77525-2982**
2000	5	30	0,5s	1	EPSA 1034 2000/5 30 0,5s-WA2X100X10 135-40	**77525-2986**
2400	5	5	0,2	1	EPSA 1034 2400/5 5 0,2-WA2X100X10 135-40	**77525-3041**
2400	5	5	0,5	1	EPSA 1034 2400/5 5 0,5-WA2X100X10 135-40	**77525-3042**
2400	5	5	0,5s	1	EPSA 1034 2400/5 5 0,5s-WA2X100X10 135-40	**77525-3046**
2400	5	10	0,2	1	EPSA 1034 2400/5 10 0,2-WA2X100X10 135-40	**77525-3061**
2400	5	10	0,5	1	EPSA 1034 2400/5 10 0,5-WA2X100X10 135-40	**77525-3062**
2400	5	10	0,5s	1	EPSA 1034 2400/5 10 0,5SWA2X100X10 135-40	**77525-3066**
2400	5	15	0,2	1	EPSA 1034 2400/5 15 0,2-WA2X100X10 135-40	**77525-3071**
2400	5	15	0,5	1	EPSA 1034 2400/5 15 0,5-WA2X100X10 135-40	**77525-3072**
2400	5	15	0,5s	1	EPSA 1034 2400/5 15 0,5s-WA2X100X10 135-40	**77525-3076**
2400	5	30	0,5	1	EPSA 1034 2400/5 30 0,5-WA2X100X10 135-40	**77525-3082**
2400	5	30	0,5s	1	EPSA 1034 2400/5 30 0,5s-WA2X100X10 135-40	**77525-3086**
2500	5	5	0,2	1	EPSA 1034 2500/5 5 0,2-WA2X100X10 135-40	**77525-3141**
2500	5	5	0,5	1	EPSA 1034 2500/5 5 0,5-WA2X100X10 135-40	**77525-3142**
2500	5	5	0,5s	1	EPSA 1034 2500/5 5,0 0,5SWA2X100X10 135-40	**77525-3146**
2500	5	10	0,2	1	EPSA 1034 2500/5 10 0,2-WA2X100X10 135-40	**77525-3161**
2500	5	10	0,5	1	EPSA 1034 2500/5 10 0,5-WA2X100X10 135-40	**77525-3162**
2500	5	10	0,5s	1	EPSA 1034 2500/5 10 0,5SWA2X100X10 135-40	**77525-3166**
2500	5	15	0,2	1	EPSA 1034 2500/5 15 0,2-WA2X100X10 135-40	**77525-3171**
2500	5	15	0,5	1	EPSA 1034 2500/5 15 0,5-WA2X100X10 135-40	**77525-3172**
2500	5	15	0,5s	1	EPSA 1034 2500/5 15 0,5SWA2X100X10 135-40	**77525-3176**
2500	5	30	0,5	1	EPSA 1034 2500/5 30 0,5-WA2X100X10 135-40	**77525-3182**
2500	5	30	0,5s	1	EPSA 1034 2500/5 30 0,5SWA2X100X10 135-40	**77525-3186**
3000	5	30	0,5s	1	EPSA 1034 2500/5 30 0,5SWA2X100X10 135-40	**77525-3286**

Accessories

Designation	Variant	PU	Product designation	Order no.
PRIMARY CONDUCTOR 21 x 12.5 32 LONG	Cylindrical copper primary conductor, diameter 21 mm, bore 12.5 mm, length 32 mm For transformer PSA 514 PSA 614 PSA 814 PSA 1034 PSA 1254 PSA 1274	1	PRIMÄRLEITER 21 X 12,5 32 LANG	**36551-0010**
PRIMARY CONDUCTOR 30 x 12.5 32 LONG	Cylindrical copper primary conductor, diameter 30 mm, bore 12.5 mm, length 32 mm For transformer PSR 253/30	1	PRIMÄRLEITER 30 X 12,5 32 LANG	**36561-0010**
PRIMARY CONDUCTOR 21 x 8.5 32 LONG	Cylindrical copper primary conductor, diameter 21 mm, bore 8.5 mm, length 32 mm For transformer PSR 200.1	1	PRIMÄRLEITER 21 X 8,5 32 LANG	**36563-0010**
PRIMARY CONDUCTOR 22.5 x 12.5 32 LONG	PSR 203 Cylindrical copper primary conductor, diameter 22.5 mm, bore 12.5 mm, length 32 mm	1	PRIMÄRLEITER 22,5 X 12,5 32 LANG	**36565-0010**
PRIMARY CONDUCTOR 21 x 12.5 52 LONG	For transformer PSR 253 Cylindrical copper primary conductor, diameter 21 mm, bore 12.5 mm, length 52 mm	1	PRIMÄRLEITER 21 X 12,5 52 LANG	**36584-0010**
PRIMARY CONDUCTOR 21 x 8,5 52 LONG, BARE	For transformer PSR 205 Cylindrical copper primary conductor, diameter 21 mm, bore 8.5 mm, length 52 mm	1	PRIMÄRLEITER 21 X 8,5 52 LANG BLANK	**36628-0010**
Secondary terminal cover SKLAD 213-413	For transformer PSR 205 For transformer PSA 213 PSA 313 PSA 413 PSR 253	1	SKLAD 213-413(SEKUNDÄR-KLEMMENABDECKUNG)	**36552-0010**
Secondary terminal cover SKLAD 215-415/ 317.1-517.1	PSR 253/30 For transformer PSA 215 PSA 315 PSA 417.1 PSA 517.1	1	SKLAD PSA 215-415/317.1-517.1 PSW55	**36553-0010**
Secondary terminal cover SKLAD 513/613/623/624	PSW 55 For transformer PSA 513 PSA 613 PSA 623 PSA 625	1	SKLAD 513/613/623/624	**36554-0010**
Secondary terminal cover SKLAD 113	PSA 633 For transformer PSA 113	1	SKLAD 113	**36562-0010**
Secondary terminal cover SKLAD PSA 514,614,634,814,1034,1254,1274	PSR 203 For transformer PSA 514 PSA 614 PSA 814 PSA 1034 PSA 1254	1	SKLAD PSA 514,614,634,814,1034,1254,1274	**36614-0010**
SUPPORTING RAIL / TOP-HAT RAIL ATTACHMENT SBF 5-6/3	PSA 1274 For transformer PSA 213 PSA 113 PSA 313 PSA 413 PSR 203 PSR 253	1	TRAG-/HUTSCHIENEN-BEFESTIGUNG SBF 5-6/3	**36555-0010**
Special NH solid link of size 2 to be used with PSA 113	PSR 253/30	1	TRENNMESSER GR.2 FÜR WANDLER	**36717-0010**

Low-voltage current transformers

Product range overview

	Primary conductor	Primary current	Classes
Window-type current transformers	20 mm x 10 mm – 4x 120 mm x 10 mm	40 A – 5000 A	1 / 0.5
Window-type current transformers	20 mm x 10 mm – 4x 120 mm x 10 mm	75 A – 3000 A	0.5 / 0.2 / 0.5S / 0.2S
Tube-type current transformer	Ø 21 mm – Ø 30 mm	50 A – 600 A	1 / 0.5
Tube-type current transformer	Ø 21 mm – Ø 30 mm	75 A – 600 A	0.5 / 0.5S
Wound-primary current transformers	–	5 A – 200 A	0.5 / 0.2 / 0.5S / 0.2S
Summation current transformers	**2 – 10** circuits	2 x 5 A - 10 x 5 A	1 / 0.5
Summation current transformer	**2 – 10** circuits	2 x 1 A - 10 x 1 A	0.2

.

Overview of PSA window-type current transformers

Transformer type	PSA 213	PSA 215	PSA 113	PSA 115	PSA 313	PSA 315	PSA 413	PSA 415
Transformer dimensions height x width x depth	78 x 60 x 30	85 x 60 x 55	70 x 50 x 30	70 x 50 x 50	78 x 60 x 30	85 x 60 x 55	78 x 60 x 30	85 x 60 x 55
Primary busbar	20 x 10	20 x 10	30 x 10	30 x 10	30 x 10	30 x 10	40 x 12	40 x 12
Maximum primary round conductor dimensions	20	20	–	–	28	28	28	32

Secondary rated current 5 A or 1 A:

Accuracy classes	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1
Min. primary current	75	50	100	40	150	60	100	50	100	100	75	75	200	150	600	150
Maximum primary current	300	300	150	150	600	600	600	600	600	600	400	400	800	800	300	800

Transformer type	PSA 513	PSA 613	PSA 633	PSA 814	PSA 1034	PSA 1254	PSA 1274
Transformer dimensions Height x width x depth	108 x 85 x 30	108 x 85 x 30	108,5 x 89,5 x 30	122 x 100 x 40	160 x 135 x 40	189 x 159,5 x 40	198 x 159,5 x 40
Primary busbar	50 x 12	60 x 10	60 x 30	80 x 10	3 x 100 x 10*	3 x 120 x 10*	4 x 120 x 10*
Maximum primary round conductor dimensions	45	45	–	60	85	98	–

Secondary rated current 5 A or 1 A:

Accuracy classes	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1
Min. primary current	250	200	400	400	800	800	400	400	400	400	1000	800	1600	800
Maximum primary current	1250	1250	1600	1600	1600	1600	2000	2000	4000	4000	5000	5000	4000	4000

* Busbars can be spaced at 10 mm.

Overview of PSR tube-type current transformers

Transformer type	PSR 200	PSR 200.1	PSR 203	PSR 205	PSR 253	PSR 253/30
Transformer dimensions height x width x depth	65 x 44 x 30	65 x 44 x 30	70 x 50 x 30	70 x 50 x 50	78 x 60 x 30	78 x 60 x 30
Maximum primary round conductor dimensions	21	21	21	21	22,5	30

Secondary rated current 5 A or 1 A:

Accuracy classes	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1
Min. primary current	100	50	100	50	80	75	50	50	75	50	125	100
Maximum primary current	300	300	300	300	300	300	300	300	600	600	1000	1000

Low-voltage current transformers

Technical data acc. to VDE 0414 T 44-1 / IEC/EN 60044-1

Primary rated current I_{1N}	Window-type current transformer	40 A – 5000 A
	Wound-primary current transformer	5 A – 200 A
	Tube-type current transformer	50 A – 600 A
	Summation current transformer	1 A and 5 A, up to 10 circuits
Secondary rated current I_{2N}	1 A, 5 A	
Rated frequency	50 – 60 Hz (special variants 162/3 – 400 Hz available on request)	
Maximum voltage at equipment U_m	720 V (special variants up to 1200 V available on request)	
Rated power-frequency withstand current (impulse-withstand voltage)	3 kV (special variants up to 6 kV available on request)	
Overcurrent limiting factor (FS)	FS 5	
Thermal rated uninterrupted current	$1{,}2 * I_{1N}$	
Current rating	120 %	
Thermal rated short-time current	$I_{th} = 60 * I_{1N}$ max. 50 kA	
Rated dynamic current	$I_{dyn} = 2{,}5* I_{th}$ max.120 kA	
Permissible ambient temperature	-40 °C to + 40 °C	
Insulating material class acc. to IEC 60085	E (B and F on request)	
Degree of protection acc. to DIN/EN 60529/VDE 0470 T1	IP 20	
Tightening torque of secondary terminals	1.5 to 2 Nm	
Secondary terminal cross-section	1,5-6 mm^2	

Information on current transformer selection

Current transformers must primarily be selected according to the mechanical configuration and dimensions of the copper busbars.

Permissible measurement range Current transformers can be operated at up to 1.2-times the primary rated current, thereby complying with class accuracy. For a 630-A busbar system, a current transformer with a primary rated current of 600 A can be selected. This transformer complies with class accuracy for up to 720 A.

Current transformer burden The accuracy of current transformer measurements is ensured if the transformer is operated between the full rated output (burden), e.g. 10 VA, and 1/4 of the burden. At half of the burden, transformers with a rated output of 2.5 VA or less still comply with class accuracy.

Earthing of secondary circuit Earthing of the secondary circuit of EFEN low-voltage current transformers is not necessary as these transformers have no large exposed metal housing parts.

Power demand The output required from a transformer depends on the lines and measurement equipment connected to it. Current measuring instruments can be connected in series, thereby increasing the power demand.
Due to Ohm's law, 1-A current transformers require considerably less power than 5-A transformers. Consequently, transformers with a secondary current of 1 A should be selected if connection lines are longer than 10 m.

PTB-compliant current transformers for billing purposes complying with German law

Manufacturer's declaration

Device:
Low-voltage current transformer EPSA with design certification and assessment of conformity





Module D



Module F

Approval:
According to the "Act on the Re-organisation of Statutory Metrology" entered into force on 25 April 2013 and the ensuing regulation establishing new rules for statutory metrology and for harmonising it with European legislation entered into force on 11 December 2014, the initial calibration of summary current transformers in its current form e.g. by a state-approved testing bodies is abolished.
Compliance of summary current transformers with applicable statutory regulations as well as technical standards and requirements is ensured either by certified production and final inspection (module D) or by an external testing body (module F). A compliance check according to module F must be commissioned directly by the manufacturer.
Retroactive calibration of suitable transformers is not provided for by law. Consequently, the terms "suitable for calibration" or "suitable for certification" may no longer be used.
As of 2015, EFEN therefore offers PTB-compliant low-voltage current transformers according to module D or F.

Low-voltage current transformers

Power demand of a double-strand line in VA for secondary currents of 1 A

Conductor cross-section	Power demand in VA depending on cable length									
	10 m	20 m	30 m	40 m	50 m	60 m	70 m	80 m	90 m	100 m
1 mm²	0,36	0,71	1,07	1,43	1,79	2,14	2,50	2,86	3,21	3,57
1,5 mm²	0,24	0,48	0,71	0,95	1,19	1,43	1,67	1,90	2,14	2,38
2,5 mm²	0,14	0,29	0,43	0,57	0,71	0,86	1,00	1,14	1,29	1,43
4 mm²	0,09	0,18	0,27	0,36	0,45	0,54	0,63	0,71	0,80	0,89
6 mm²	0,06	0,12	0,18	0,24	0,30	0,36	0,42	0,48	0,54	0,60
10 mm²	0,04	0,07	0,11	0,14	0,18	0,21	0,25	0,29	0,32	0,36

Power demand of a double-strand line in VA for secondary currents of 5 A

Conductor cross-section	Power demand in VA depending on cable length									
	1 m	2 m	4 m	6 m	8 m	10 m	15 m	20 m	30 m	40 m
1,5 mm²	0,60	1,19	2,38	3,57	4,76	5,95	8,93	11,90	17,86	23,81
2,5 mm²	0,36	0,71	1,43	2,14	2,86	3,57	5,36	7,14	10,71	14,29
4 mm²	0,22	0,45	0,89	1,34	1,79	2,23	3,35	4,46	6,70	8,93
6 mm²	0,15	0,30	0,60	0,89	1,19	1,49	2,23	2,98	4,46	5,95
10 mm²	0,09	0,18	0,36	0,54	0,71	0,89	1,34	1,79	2,68	3,57

Generally, the power demand of the measurement device and measuring line should be less than the total rated output (rated burden) and more than ¼ of the rated output of the current transformer. This ensures accurate measurements within the specified accuracy range.

$S_{CT} > 2,5$ VA	$S_{CT} > S_{Cable} + S_{Meter} > ¼\ S_{CT}$
$S_{CT} \leq 2,5$ VA	$S_{CT} > S_{Cable} + S_{Meter} > ½\ S_{CT}$

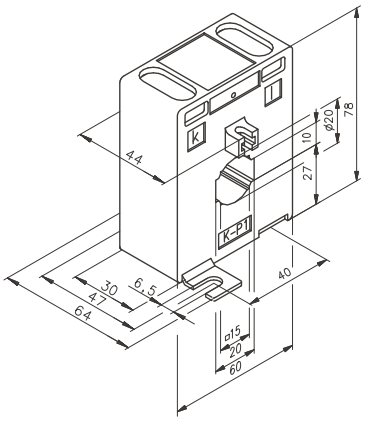
S_{CT} Rated output of the transformer (rated burden)
S_{Cable} Power demand of the line
S_{Meter} Power demand of the measurement device

EFEN low-voltage current transformers

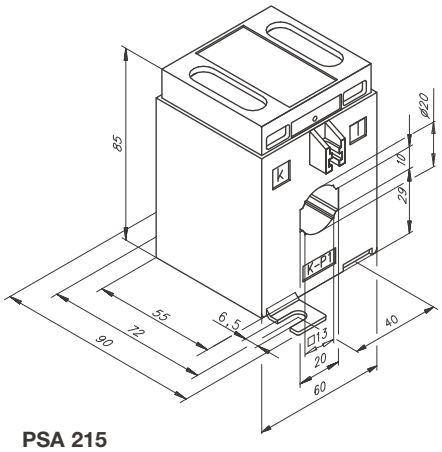
Product features
- Robust and cost-effective design
- High-quality, flame-resistant plastics made of glass-fibre reinforced polycarbonate
- Excellent technical data
- Applications for various busbar sizes
- Easy installation on the busbar
- Accuracy classes acc. to VDE 0414 T 44-1 / IEC/EN 60044-1 and IEC 185 (1987)
- Fasteners for busbar and baseplate mounting

Low-voltage current transformers
PSA 213 – 315

Window-type current transformers
Primary currents from 50 to 300 A, for busbars of 20 x 10 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1

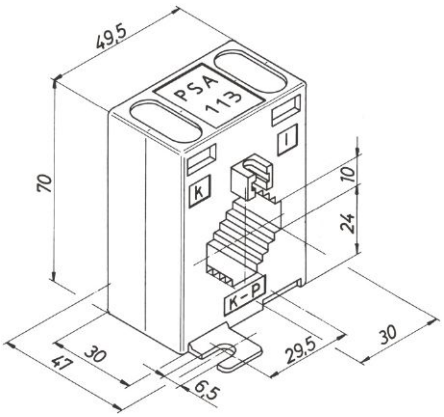


PSA 213
Primary busbar 20 x 10 mm, 15 x 15 mm
Max. round cable Ø 20 mm

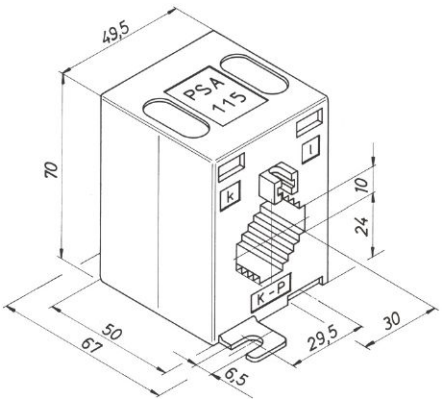


PSA 215
Primary busbar 20 x 10 mm, 15 x 15 mm
Max. round cable Ø 20 mm

Window-type current transformers
Primary currents from 50 to 600 A, for busbars of 30 x 10 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1

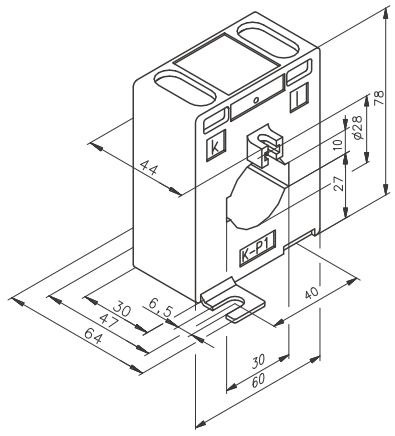


PSA 113
Primary busbar 30 x 10 mm, 25 x 15 mm, 20 x 20 mm

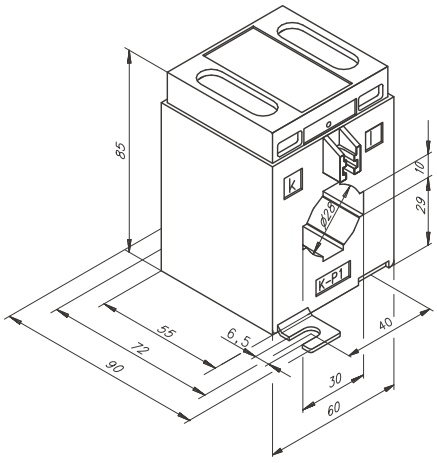


PSA 115
Primary busbar 30 x 10 mm, 25 x 15 mm, 20 x 20 mm

Window-type current transformers
Primary currents from 75 to 600 A, for busbars 30 x 10 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1



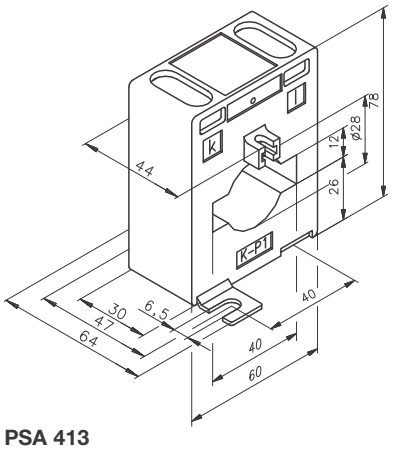
PSA 313
Primary busbar 30 x 10 mm
Max. round cable Ø 28 mm



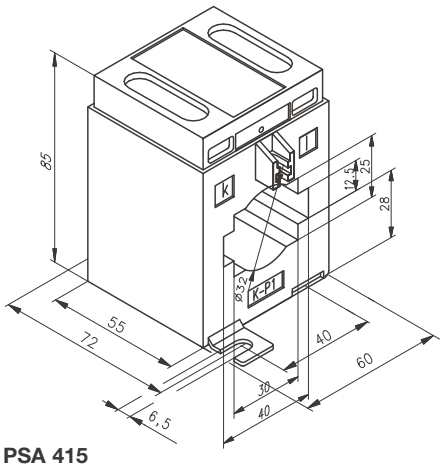
PSA 315
Primary busbar 30 x 10 mm
Max. round cable Ø 28 mm

Low-voltage current transformers
PSA 413 – 633

Window-type current transformers
Primary currents from 150 to 800 A, for busbars 40 x 12 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1

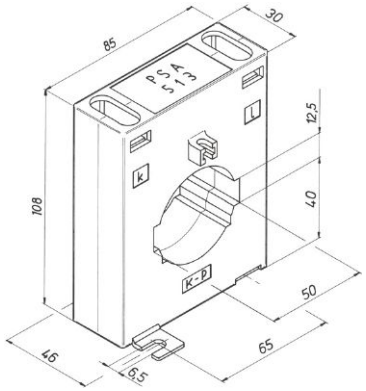


PSA 413
Primary busbar 40 x 12 mm
Max. round cable Ø 28 mm



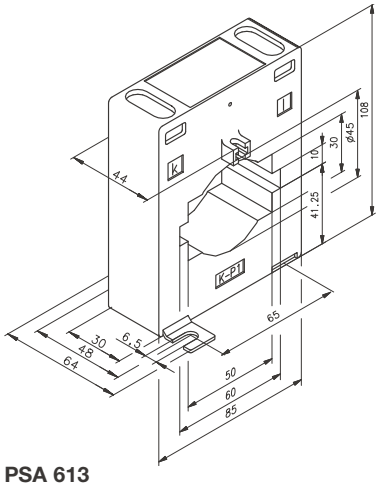
PSA 415
Primary busbar 40 x 12 mm, 30 x 25 mm
Max. round cable Ø 32 mm

Window-type current transformers
Primary currents from 200 to 1250 A, for busbars 50 x 12 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1

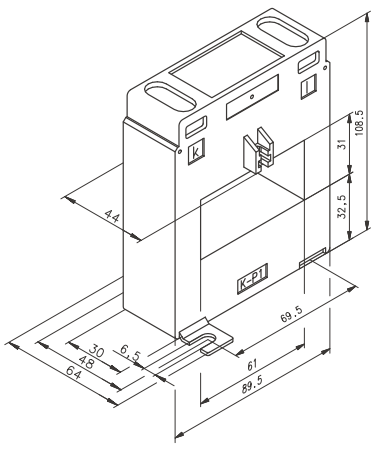


PSA 513
Primary busbar 50 x 12 mm, 40 x 23 mm
Max. round cable Ø 45 mm

Window-type current transformers
Primary currents from 400 to 1600 A, for busbars 60 x 10 (-30) mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1



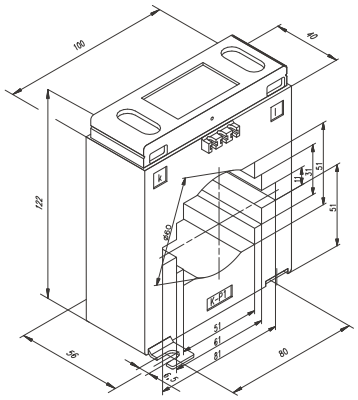
PSA 613
Primary busbar 60 x 10 mm; 50 x 30 mm
Max. round cable Ø 45 mm



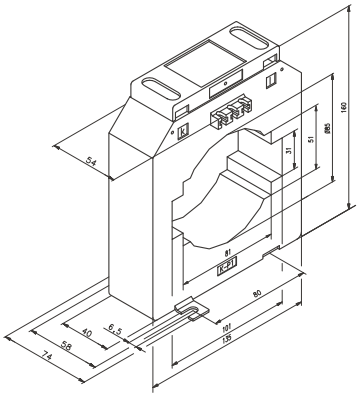
PSA 633
Primary busbar 60 x 30 mm

Low-voltage current transformers
PSA 814 – 1274

Window-type current transformers
Primary current from 400 to 4000 A, for busbars 80 x 10 / 2 x 100 x 10 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1

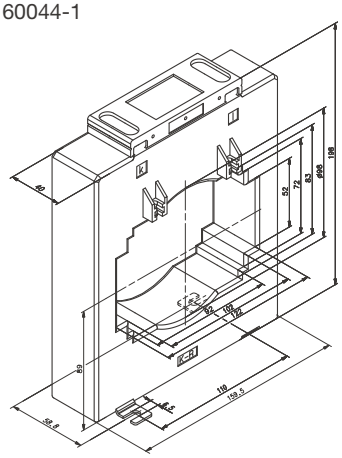


PSA 814
Primary busbar 80 x 10 mm; 60 x 30 mm
Max. round cable Ø 60 mm

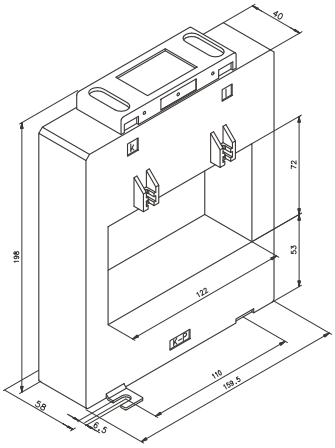


PSA 1034
Primary busbar 2 x 100 x 10 mm; 80 x 50 mm
Max. round cable Ø 85 mm

Window-type current transformers
Primary current from 1800 to 5000 A, for busbars 3 x 120 x 10 / 4 x 120 x 10 mm and base-plates, according to VDE 0414 T44-1 / IEC/EN 60044-1



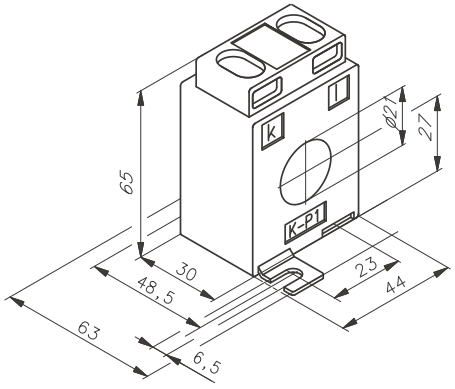
PSA 1254
Primary busbar 3 x 120 x 10 mm
Max. round cable Ø 98 mm



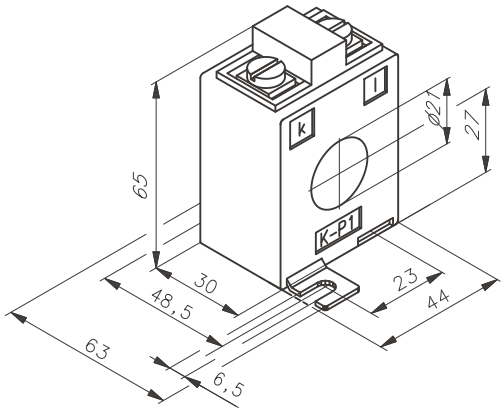
PSA 1274
Primary busbar 4 x 120 x 10 mm

Low-voltage current transformers
Tube-type current transformers PSR 200 – PSR 253/30

Tube-type current transformers
Primary currents from 50 to 300 A; acc. to VDE 0414 T44-1 / IEC/EN 60044-1

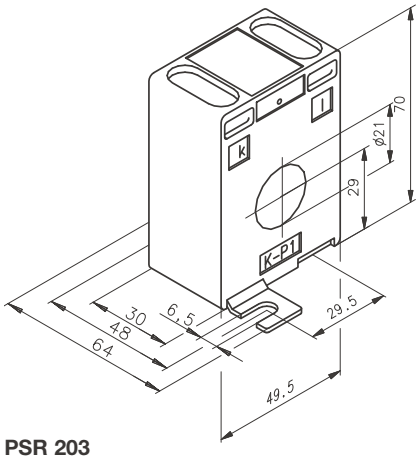


PSR 200
Max. round cable Ø 21 mm
I_{1N} = 50 A – 300 A

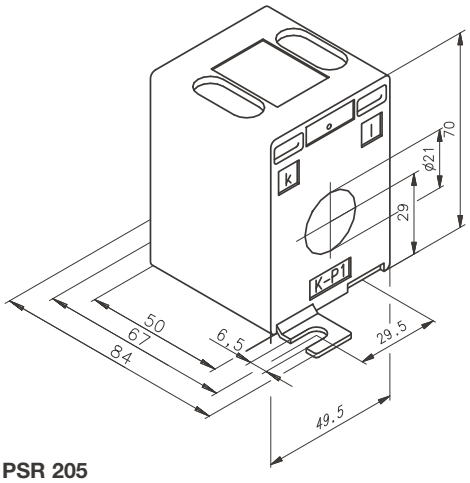


PSR 200.1
Max. round cable Ø 21 mm
I_{1N} = 50 A – 300 A

Tube-type current transformers
Primary currents from 50 to 300 A, acc. to VDE 0414 T44-1 / IEC/EN 60044-1

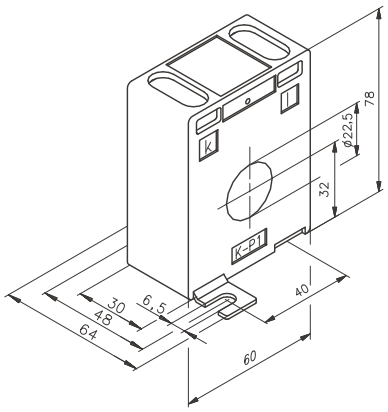


PSR 203
Max. round cable Ø 21 mm
I_{1N} = 75 A – 300 A

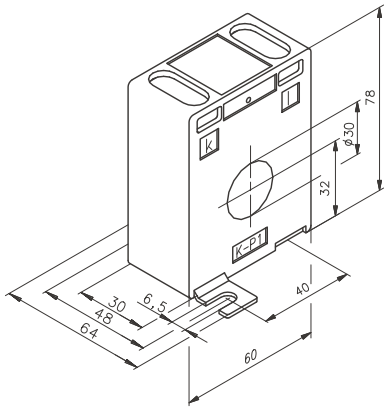


PSR 205
Max. round cable Ø 21 mm
I_{1N} = 50 A – 300 A

Tube-type current transformers
Primary currents from 50 to 600 A, acc. to VDE 0414 T44-1 / IEC/EN 60044-1



PSR 253
Max. round cable Ø 22.5 mm
I_{1N} = 50 A – 600 A

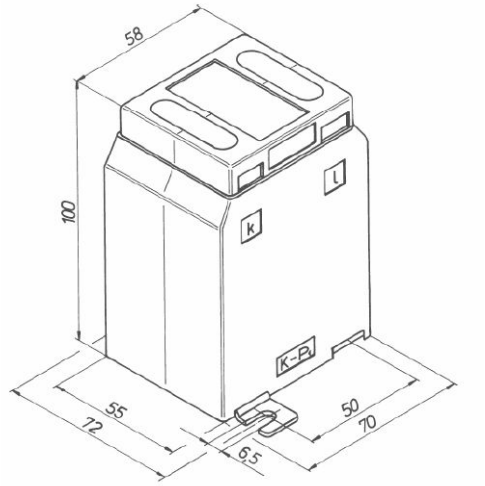


PSR 253/30
Max. round cable Ø 30 mm
I_{1N} = 125 A – 600 A

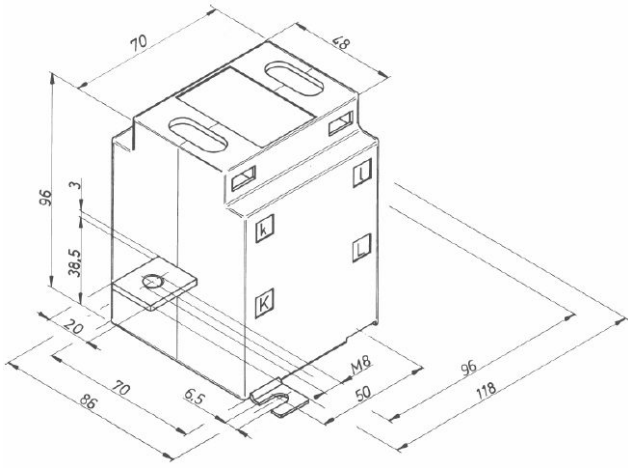
Low-voltage current transformers
Wound-primary current transformers PSW 55, PSW 70

Wound-primary current transformers
5 to 200 A, acc. to VDE 0414 T44-1 / IEC/EN 60044-1

At low current transformer ratios, window-type current transformers can only achieve lower power outputs and accuracy classes. Therefore, the use of wound-primary current transformers is recommended if higher power outputs and accuracy classes are required.
In wound-primary current transformers, the primary conductor is wound several times on the magnetic core of the current transformer.



PSW 55
I_{1N} = 5 A – 40 A



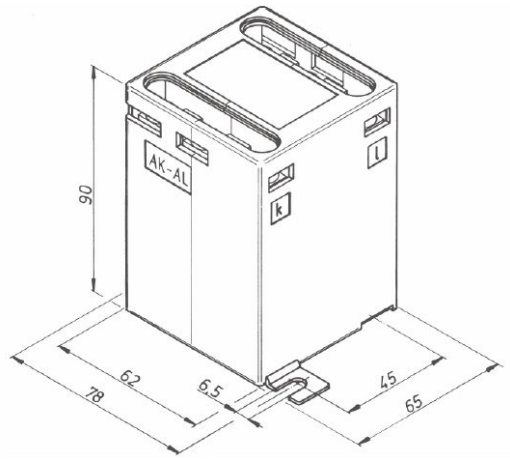
PSW 70
I_{1N} = 50 A – 200 A

Low-voltage current transformers
Summation current transformers PSS 2, PGSU

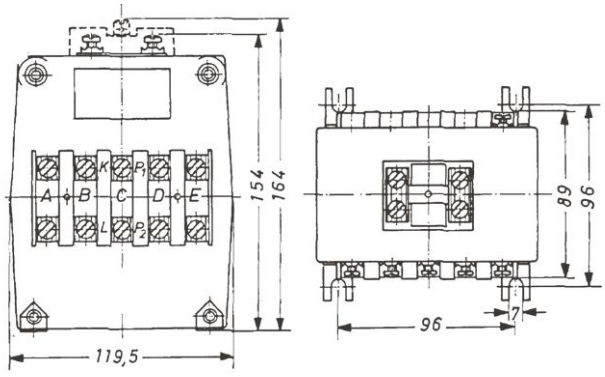
Summation current transformers
2 – 10 circuits, acc. to VDE 0414 T44-1 / IEC/EN 60044-1

Summation current transformers are used if several window-type current transformers shall be combined into one measurement unit. Here, it must be ensured that window-type current transformers of the same phase are combined with the summation current transformer.

EFEN summation current transformers allow up to 10 power feeders with different window-type current transformers to be combined into one current measurement unit.



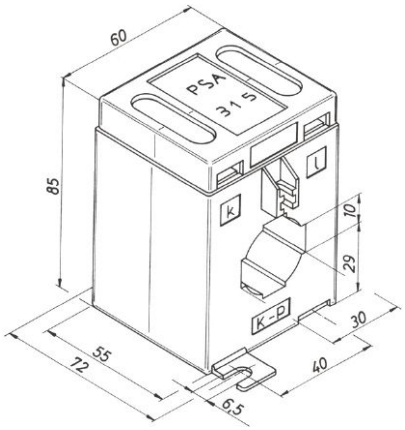
PSS 2
I_{1N} = 1 A + 1 A / 5 A + 5 A
2 x 5 A / 2 x 1 A



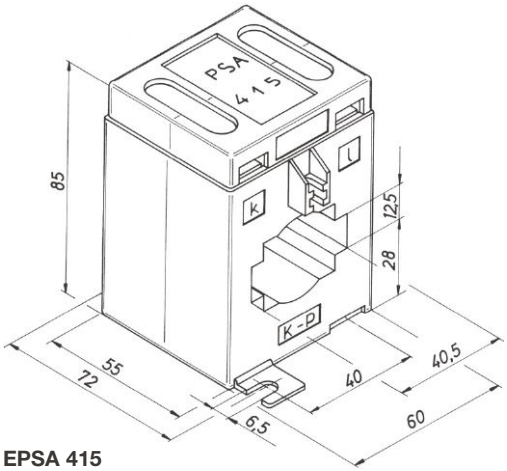
PGSU
I_{1N} = 3 x 5 A – 10 x 5 A

PTB-compliant current transformers for billing purposes
EPSA 315 – EPSA 417.2

Current transformers for billing purposes
For busbars 30 x 10 / 40 x 10 mm and base-plates, acc. to VDE 0414 T44-1 / IEC/EN 60044-1

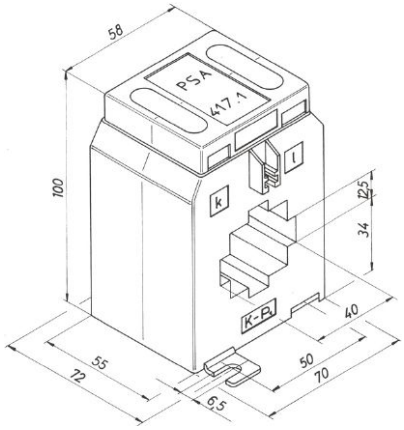


EPSA 315
Primary busbar 30 x 10 mm
Max. round cable Ø 28 mm



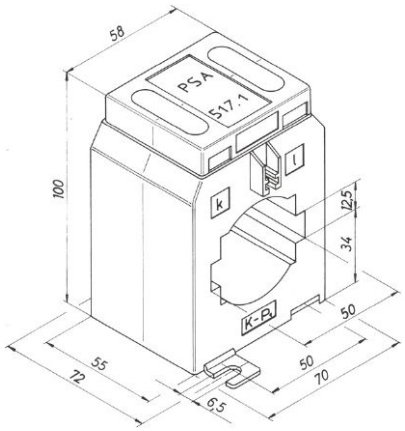
EPSA 415
Primary busbar 40 x 12 mm, 30 x 25 mm
Max. round cable Ø 32 mm

Current transformers for billing purposes
Busbar 40 x 12 mm, acc. to VDE 0414 T44-1 / IEC/EN 60044-1



EPSA 417.1
Primary busbar 40 x 12 mm, 30 x 30 mm

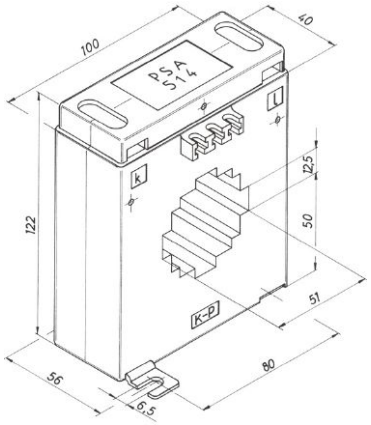
Current transformers for billing purposes
Busbar 50 x 12 mm, acc. to VDE 0414 T44-1 / IEC/EN 60044-1



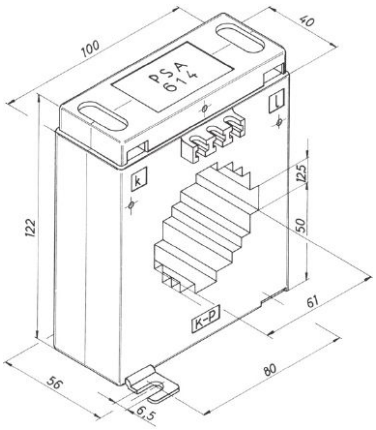
EPSA 517.1
Primary busbar 50 x 12 mm, 40 x 30 mm
Max. round cable Ø 43 mm

PTB-compliant current transformers for billing purposes
EPSA 517.1 – EPSA 1034

Current transformers for billing purposes
Busbars 50 x 12 / 60 x 10 mm, acc. to VDE 0414 T44-1 / IEC 60044-1

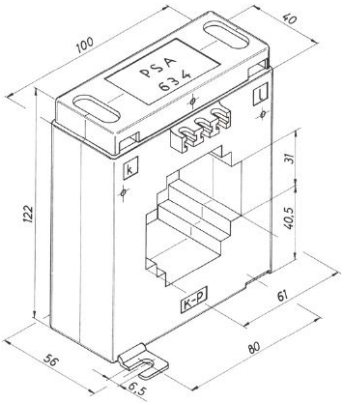


EPSA 514
Primary busbar 50 x 12 mm, 40 x 30 mm
Max. round cable Ø 46 mm

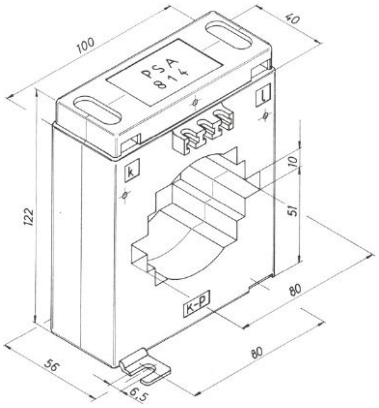


EPSA 614
Primary busbar 60 x 12 mm, 50 x 30 mm, 40 x 40 mm

Current transformers for billing purposes
Busbar 60 x 30 / 80 x 10 mm, acc. to VDE 0414 T44-1/IEC/EN 60044-1

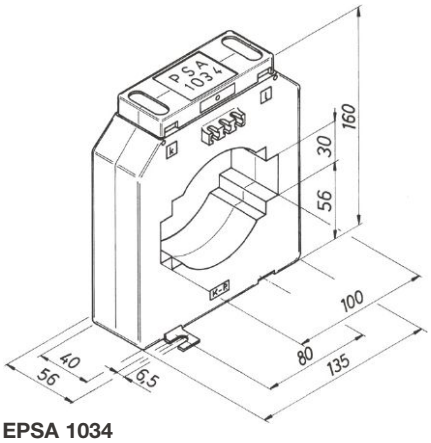


EPSA 634
Primary busbar 60 x 30 mm,
50 x 40 mm



EPSA 814
Primary busbar 80 x 10 mm, 60 x 30 mm,
50 x 50 mm
Max. round cable Ø 60 mm

Current transformers for billing purposes
Busbar 2 x 100 x 10 mm, acc. to VDE 0414 T44-1 / IEC/EN 60044-1



EPSA 1034
Primary busbar 2 x 100 x 10 mm, 80 x 50 mm
Max. round cable Ø 85 mm

Current transformers for NH Fuse-Switches

▶ Technical data, page 332



77283-6313

E³ low-voltage current-transformer block for E³ NH Fuse-Switches, vertical design, size 00/100

Features:
Current transformer block, class 1; 0.5 retrofittable, terminal 2.5 mm²
One-phase or three-phase measurement (one-phase measurement on L1)

Designation	Size	PU	Product designation	Order no.
100/1, class 1, 1.25 VA, 3-phase measurement	00/100	1	E³ WB00/100 3X100/1A 1,25VA KL.1	**77283-6313**
150/1, class 0.5, 2 VA, 3-phase measurement	00/100	1	E³ WB00/100 3X150/1A 2VA KL.0,5	**77283-6522**
150/1, class 1, 2.5 VA, 3-phase measurement	00/100	1	E³ WB00/100 3X150/1A 2,5VA KL.1	**77283-6533**
150/5, class 1, 1.5 VA, 1-phase measurement	00/100	1	Wandlerblock 00/100 150/5 1ph. 1.5VA KL1	**77284-1533**
100/1, class 1, 1.25 VA, 1-phase measurement	00/100	1	E³ WB00/100 100/1A 1,25VA KL.1	**77284-6313**
150/1, class 1, 1.25 VA, 1-phase measurement	00/100	1	E³ WB00/100 150/1A 2,5VA KL.1	**77284-6533**



77150-1836

E³ low-voltage current-transformer for E³ NH Fuse-Switches, vertical design, size 1 – 3

Features:
Single current transformer class 1; 0.5s, box terminal 6 mm²

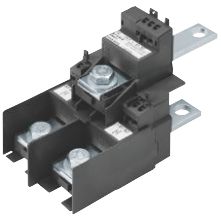
Designation	Size	PU	Product designation	Order no.
150/5 A, 2,5 VA, Kl. 1	1-3	1	E³-W1-3 150/5A 2,5VA KL.1	**77150-1533**
250/5 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 250/5A 5VA KL.1	**77150-1743**
300/5 A, 2,5 VA, Kl. 0,5s	1-3	1	E³-W1-3 300/5A 2,5VA KL.0,5S	**77150-1836**
400/5 A, 2,5 VA, Kl. 0,5s 1-3	1-3	1	E³-W1-3 400/5A 2,5VA KL.0,5S	**77150-1936**
400/5 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 400/5A 5VA KL.1	**77150-1943**
600/5 A, 2,5 VA, Kl. 0,2s 1-3	1-3	1	E³-W1-3 600/5A 2,5VA KL.0,2S	**77150-2135**
600/5 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 600/5A 5VA KL.1	**77150-2143**
600/5 A, 5 VA, Kl. 0,5s	1-3	1	E³-W1-3 600/5A 5VA KL.0,5S	**77150-2146**
800/5 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 800/5A 5VA KL.1	**77150-2343**
150/1 A, 2,5 VA, Kl. 1	1-3	1	E³-W1-3 150/1A 2,5VA KL.1	**77150-6533**
250/1 A, 2,5 VA, Kl. 0,5	1-3	1	E³-W1-3 250/1A 2,5VA KL.0,5	**77150-6732**
250/1, 5 VA, Kl. 1	1-3	1	E³-W1-3 250/1A 5VA KL.1	**77150-6743**
400/1, 5 VA, Kl. 0,5	1-3	1	E³-W1-3 400/1A 5VA KL.0,5	**77150-6942**
400/1 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 400/1A 5VA KL.1	**77150-6943**
600/1 A, 5 VA, Kl. 0,5	1-3	1	E³-W1-3 600/1A 5VA KL.0,5	**77150-7142**
600/1 A, 5 VA, Kl. 1	1-3	1	E³-W1-3 600/1A 5VA KL.1	**77150-7143**



77550-1836

E³ low-voltage current-transformer for E³ NH Fuse-Switches, vertical design, size 1 – 3, PTB-compliant

Designation	Size	PU	Product designation	Order no.
250/5A 2,5VA Kl.0,5	1-3	1	E_E³W1-3 250/5A 2,5VA Kl.0,5	**77550-1732**
300/5A 2,5VA KL.0,5s	1-3	1	E_E³W1-3 300/5A 2,5VA KL.0,5s	**77550-1836**
400/5A 5VA KL.0,5S	1-3	1	E_E³W1-3 400/5A 5VA KL.0,5S	**77550-1946**
600/5A 5VA KL.0,5S	1-3	1	E_E³W1-3 600/5A 5VA KL.0,5S	**77550-2146**
800/5A 5VA KL.0,5S	1-3	1	E_E³W1-3 800/5A 5VA KL.0,5S	**77550-2346**



77287-1846

E³ low-voltage current-transformer for E³ NH Fuse-Switches, vertical design, size 1 – 3, for connection in cable branch-off line

Features:
- For multiple-use terminal (screw terminal M12)
- Connection for voltage tapping

Designation	Size	PU	Product designation	Order no.
200/5 2,5 KL 0,5S	1-3	1	E³ WB1-3 200/5 2,5 KL 0,5S	**77287-1636**
300/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 300/5 5,0 KL 0,5S	**77287-1846**
400/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 400/5 5,0 KL 0,5S	**77287-1946**
600/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 600/5 5,0 KL 0,5S	**77287-2146**

Current transformers for NH Fuse-Switches

▶ Technical data, page 332



77587-1946

E³ current transformer block for E³ NH Fuse-Switches, vertical design, size1 – 3, for connection at cable outlet, PBT-compliant variant for billing purposes

Features:
- For multiple-use terminal (screw terminal M12)
- Connection for voltage tapping

Designation	Size	PU	Product designation	Order no.
200/5 2,5 KL 0,5S	1-3	1	E³ WB1-3 200/5 2,5 KL 0,5S	**77587-1636**
300/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 300/5 5,0 KL 0,5S	**77587-1846**
400/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 400/5 5,0 KL 0,5S	**77587-1946**
600/5 5,0 KL 0,5S	1-3	1	E³ WB1-3 600/5 5,0 KL 0,5S	**77587-2146**

Accessories for current transformers for NH Fuse-Switches

Terminal cover for low-voltage current transformer block for size 1 – 3

Designation	PU	Product designation	Order no.
Terminal cover for low-voltage current transformer block	1	KLEMMENABDECKUNG F. WANDLER-BLOCK 3PHASIG	**36892-0010**



36431-0010

E³-wiring kit for voltage cut-out for size 1 – 3

Features:
- Ready for connection to E³ NH fuse-switch, vertical design
- Connects to input or output
- Includes Cable holder and terminal bolts

Designation	PU	Product designation	Order no.
Wiring kit for voltage cut-out	1	Verdrahtungskit f. Spannungsabnahme	**36431-0010**



36430-0010

E³-wiring kit for current transformers for size 1 – 3

Features:
- Secondary lines 2.5 mm², black, no. 1-6
- Fits plug-in connections, isolation terminalsor metering devices
- For top or bottom connection
- Impulse-withstand voltage 3 kV
- Includes cable holder

Designation	PU	Product designation	Order no.
1-phase wiring kit for current transformer, secondary lines 2.5 mm², black no. 1-6, impulse-withstand voltage 3 kV	1	Verdrahtungskit f. 1 Stromwandler	**36429-0010**
3-phase wiring kit for current transformer, secondary lines 2.5 mm², black no. 1-6, impulse-withstand voltage 3 kV	1	E³ Verdrahtungskit f. 3 Stromwandler	**36430-0010**



36382-0010

E³-cable holder, click-on, for size 1 – 3

Features:
- Clip-on holder for neat cable routing
- For voltage tapping or for secondary lines

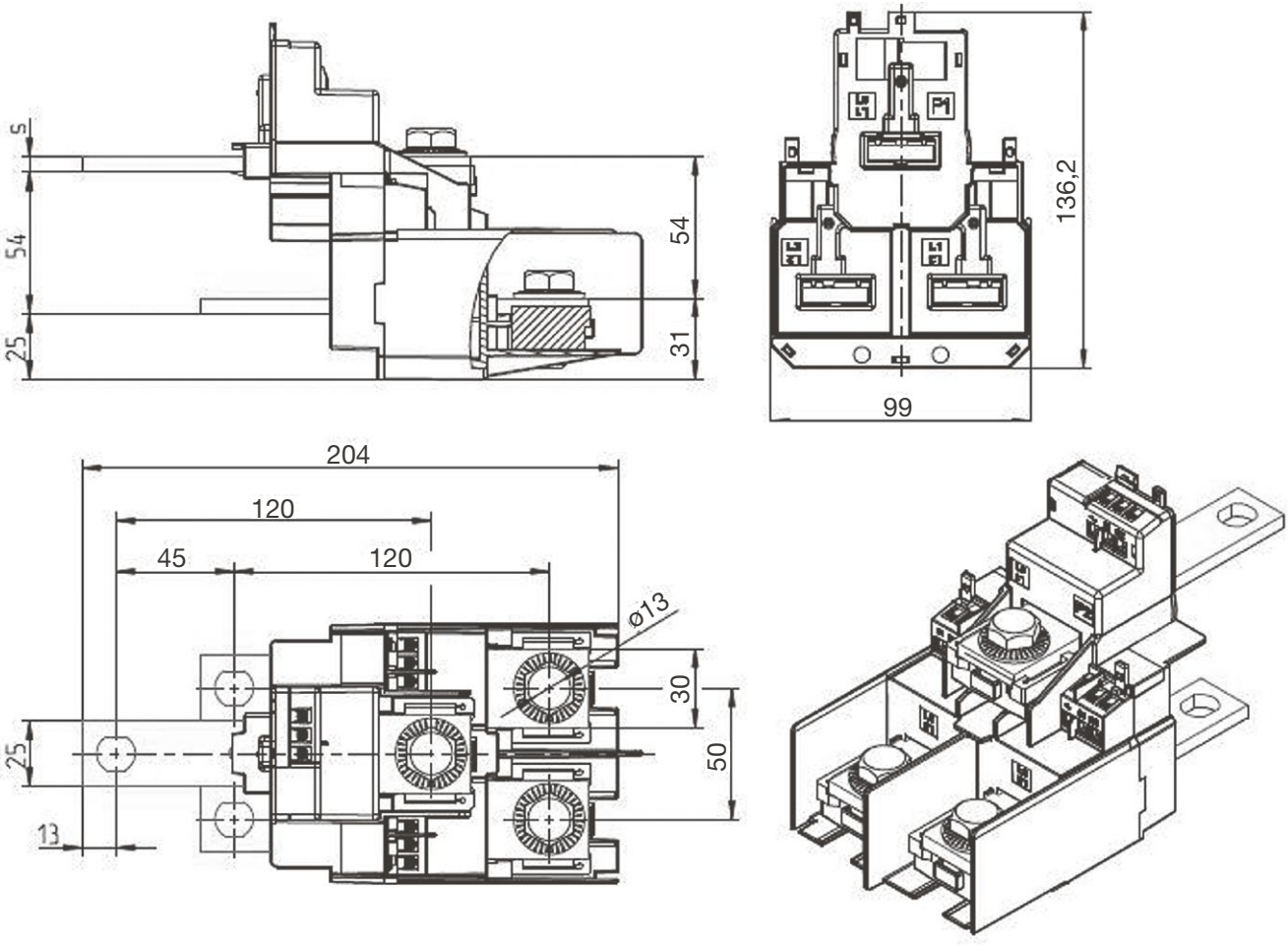
Designation	PU	Product designation	Order no.
Cable holder, click-on, backside mounting	1	Kabelhalter E³ Gr.1-3	**36382-0010**

ε³-current transformer block, size 1 – 3
for terminal space, standard or PTB-compliant variant

Technical data

Order no. standard	77287-1636	77287-1736	77287-1846	77287-1946	77287-2146
Order no. for billing purposes	77587-1636	77587-1736	77587-1846	77587-1946	77587-2146
Primary rated current	200 A	250 A	300 A	400 A	600 A
Secondary rated current	2,5 A	2,5 A	5 A	5 A	5 A
Rated power	5 VA	5 VA	5 VA	5 VA	5 VA
Class	KL.0,5 s	KL.0,5 s	KL.0,5 s	KL.0,5 s	KL.0,5 s
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Insulation level	0,72/3 kV	0,7/3 kV	0,7/3 kV	0,72/3 kV	0,7/3 kV
Overcurrent limiting factor	FS5	FS5	FS5	FS5	FS5
Insulating material class	E	E	E	E	F
Thermal rated short-term current	60* I_{1n} max. 50 kA				
Thermal rated uninterrupted current	1,2* I_n	1,2* I_n	1,2* I_n	1,2* I_n	1,2* I_n
Extended current range	120 %	120 %	120 %	120 %	120 %
Ambient temperature	-5° ... +40°C	-5° ... +40°C	-5° ... +40°C	-5° ... +40°C	-5° ... +40°C
Standards	VDE0414T 44-1, IEC60044-1				
Torque f. secondary terminals	1.5 to 2 Nm				

Current transformer block for NH Fuse-Switches

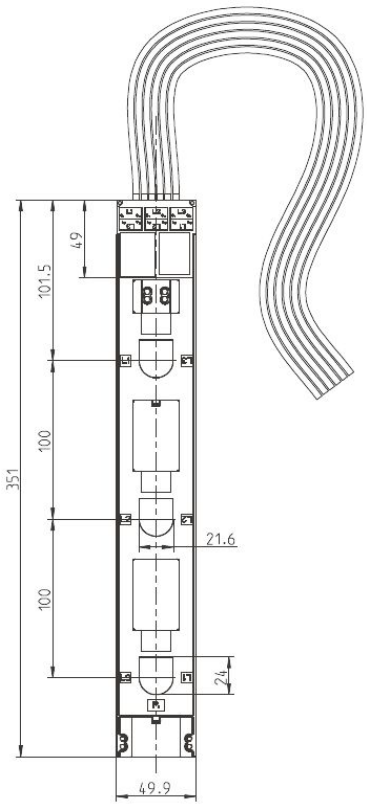


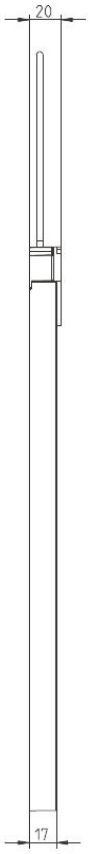
E³-Current transformer block size 00/100
1-phase or 3-phase metering (1-phase at L1)

Technical data

Article designation	Ratio	VA output	Class	Order no.
E³ WB00/100 3X100/1 1,25 VA KL.1	3 x 100/1	1,25	1	**77283-6313**
E³ WB00/100 3X150/1 2,5 VA KL.1	3 x 150/1	2,5	1	**77283-6533**
E³ WB00/100 3X150/1 2,0 VA KL.0,5	3 x 150/1	2,0	0,5	**77283-6522**
E³ WB00/100 1X100/1 1,25 VA KL.1	1 x 100/1	1,25	1	**77284-6313**
E³ WB00/100 1X150/1 1,25 VA KL. 1	1 x 150/1	1,25	1	**77284-6533**
E³ WB00/100 3X150/5 1,5 VA KL.1	3 x 150/5	1,5	1	**77283-1523**
E³ WB00/100 1X150/5 1,5VA KL.1	1 x 150/5	1,5	1	**77284-1523**

Description	Unit	Value
Electrical parameters **Technical data acc. to VDE 0414 T44-1/ IEC/EN 60044-1**		
Primary rated current I1N	A	See transformer
S IN2	A	See transformer
Rated frequency	Hz	50
Rated isolation level	kV	0,72 / 3,00
Thermal rated uninterrupted current	A	1,2 x I_n
Thermal rated short-time current Ith		60 x I_n; max. 50 kA
Permissible ambient temperature	°C	- 40 to + 40 °C
Extended current range		120%
Insulation class acc. to IEC 60085 E	3 x 100/1	E³ Zub.
Conductor connection	3 x 100/1	E³ Zub.
Connection of secondary terminal	mm²	2,5 - 4
Torque of secondary terminal	Nm	0,8





Connection of assembled end pieces for ratio to 5 Amps Cable length 2 m.

Converter terminals top / cable terminal bottom:
L1 / S1 = black
S2 = brown
L2 / S1 = gray
S2 = white
L3 / S1 = blue
S2 = red

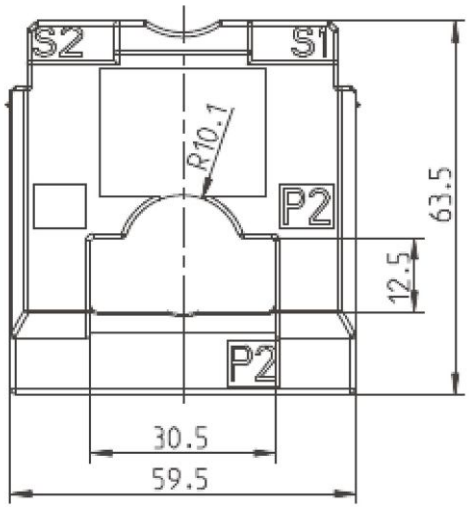
Converter terminals bottom / cable terminal top:
L1 / S1 = blue
S2 = red
L2 / S1 = gray
S2 = white
L3 / S1 = black
S2 = brown

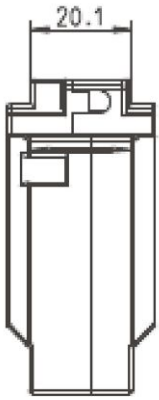
E³-Drop-in transformers of size 1 – 3, PTB-compliant variant for billing purposes for E³ NH Fuse-Switches, vertical design, size 1 – 3

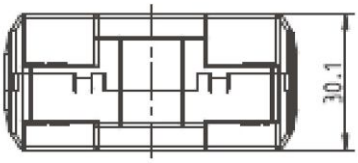
Technical data

Article designation	Ratio	VA output	Class	Order no.
E_E³W1-3 250/5A 2,5VA Kl.0,5	250/5	2,5	0,5	**77550-1732**
E_E³W1-3 300/5A 2,5VA KL.0,5s	300/5	2,5	0,5s	**77550-1836**
E_E³W1-3 400/5A 5VA KL.0,5s	400/5	5	0,5s	**77550-1946**
E_E³W1-3 600/5A 5VA KL.0,5s	600/5	5	0,5s	**77550-2146**
E_E³W1-3 800/5A 5VA KL.0,5s	800/5	5	0,5s	**77550-2346**
Cable holder E³ size 1 – 3				**36382-0010**

Description	Unit	Value
Electrical parameters **Technical data acc. to VDE 0414 T44-1/ IEC/EN 60044-1**		
Primary rated current I_{1N}	A	See transformer
Secondary rated current I_{N2}	A	See transformer
Rated frequency	Hz	50
Rated isolation level	kV	0,72 / 3,00
Thermal rated uninterrupted current	A	1,2 x I_n
Thermal rated short-time current I_{th}		60 x In; max. 50 kA
Permissible ambient temperature	°C	- 5 to + 40 °C
Extended current range		120%
Insulating material class acc. to IEC 60085		E
Connection of secondary terminal	mm²	2,5 - 4
Torque of secondary terminal	Nm	0,8







ε³-Current transformers
Technical data

Current transformer block and current transformer class 0.5 s

Technical data acc. to VDE 0414 T 44-1 / IEC/EN 60044-1

Primary rated current	I_{1N}	300 A, 600 A, 800 A
Secondary rated current	I_{2N}	5 A
Rated frequency		50-60 Hz
Maximum voltage at equipment	U_m	720 V
Rated power-frequency withstand current (impulse-withstand voltage)		3 kV
Instrument security factor (FS)		FS 5
Thermal rated uninterrupted current		1,2 x I_{1N}
Current rating		120% 800 A = 100%
Thermal rated short-time current		I_{th} = 60 x I_{1N} max. 50 kA
Rated dynamic current		I_{dyn} = 2,5 x I_{th} max. 120 kA
Permissible ambient temperature		-25° C to +55° C
Insulating material class acc. to IEC 60085		E
Degree of protection DIN/EN 60529/VDE 0470 T1		IP 20
Enclosure type		Closed enclosure
Enclosure material		Polyamide 6
Connection of secondary terminal		Box clamp 1.5 – 4 mm²
Torque of secondary terminal		0,8 Nm
Approved for official calibration		System number

Current transformer, class 1

Technical data acc. to VDE 0414 T 44-1 / IEC/EN 60044-1

Primary rated current	I_{1N}	150-1000 A
Secondary rated current	I_{2N}	1 and 5 A
Rated frequency		50-60 Hz
Maximum voltage at equipment	U_m	720 V
Rated power-frequency withstand current (impulse-withstand voltage)		3 kV
Instrument security factor (FS)		FS 5
Thermal rated uninterrupted current		1,2 x I_{1N}
Current rating		120% 1000 A = 100%
Thermal rated short-time current		I_{th} = 60 x I_{1N} max. 50 kA
Rated dynamic current		I_{dyn} = 2,5 x I_{th} max. 120 kA
Permissible ambient temperature		-25° C to +55° C
Insulating material class acc. to IEC 60085		E
Degree of protection DIN/EN 60529/VDE 0470 T1		IP 20
Enclosure type		Closed enclosure
Enclosure material		Polyamide 6
Connection of secondary terminal		Box clamp 1.5 – 4 mm², strand with end sleeve
Torque of secondary terminal		0,8 Nm

Recommended wiring for current transformer of class 1

Halogen-free multiple-strand wiring 2.5 mm² Temperature resistance 105 °C Test voltage 2500 V



Fuse-Monitoring

In state-of-the-art power distribution grids, real-time communication of system statuses over longer distances is becoming more and more important so as to be able to respond quickly in the event of changes or malfunctions. The possibility for instantaneous communication of the interface as soon as the fuse has tripped is a must.

System
The fuse-monitoring device is quickly and easily connected using the integrated terminals. In this way, the cables are routed safely under the field cover.

Features
With the new electronic fuse-monitoring, EFEN's portfolio comprises an integrated solution that satisfies any imaginable requirement and is also suitable for retrofitting systems.



Fuse-Monitoring

NH Fuse-Switches, horizontal design	page 338
NH Fuse-Switches, horizontal design for DC applications	page 348
E³ NH Fuse-Switches, vertical design	page 351
NH Fuse-Bases	page 353
Accessories for tripping-indication and measurement devices.	page 354
Technical data	page 341

Fuse-Monitoring
electronic



Fuse-Monitoring
mechanical



Easy upgrading
thanks to the E³ uniform dimensions dimensions of the fuse-switch



NH Fuse-Switches, horizontal design, size 000 – 4a for baseplate mounting

▶ Technical data, page 341



34170-0130

NH fuse-switch, horizontal design, 690 V AC, 3-pole, for baseplate mounting

Features:
- Electronic fuse monitoring (ESÜ)
- No auxiliary power supply required
- Independent of feed side

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm²	000/53	100	1	SILAS NH000 ESF MA R4R4	**34040-0137**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS NH00 ESF MA R5R5	**34076-0130**
Multiple-use terminal (bolt M8)	00	160	1	SILAS NH00 ESF MA U5U5	**34077-0130**
Multiple-use terminal (bolt M10)	1	250	1	SILAS NH1 ESF MA U2U2	**34170-0130**
Box clamp 35 – 150 mm²	1	250	1	SILAS NH1 ESF MA RR	**34175-0130**
Multiple-use terminal (bolt M10)	2	400	1	SILAS NH2 ESF MA U2U2	**34270-0130**
Box clamp 95 – 300 mm²	2	400	1	SILAS NH2 ESF MA RR	**34275-0130**
Multiple-use terminal (bolt M10)	3	630	1	SILAS NH3 ESF MA U2U2	**34370-0130**
Box clamp 95 – 300 mm²	3	630	1	SILAS NH3 ESF MA RR	**34375-0130**



34170-0030

NH fuse-switch, horizontal design, 690 V AC, 3-pole, for baseplate mounting

Features:
- Mechanical fuse monitoring by motor protections switch (MSÜ)
- Monitoring of all fuses
- No auxiliary power supply required

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 95 mm²	00	160	1	SILAS NH00 SN R5R5	**34076-0030**
Multiple-use terminal (bolt M8)	00	160	1	SILAS NH00 SN U5U5	**34077-0030**
Multiple-use terminal (bolt M10)	1	250	1	SILAS NH1 SN U2U2	**34170-0030**
Box clamp 35 – 150 mm²	1	250	1	SILAS NH1 SN RR	**34175-0030**
Multiple-use terminal (bolt M10)	2	400	1	SILAS NH2 SN U2U2	**34270-0030**
Box clamp 95 – 300 mm²	2	400	1	SILAS NH2 SN RR	**34275-0030**
Multiple-use terminal (bolt M10)	3	630	1	SILAS NH3 SN U2U2	**34370-0030**
Box clamp 95 – 300 mm²	3	630	1	SILAS NH3 SN RR	**34375-0030**
Screw terminal M16, 3-pole switching	4a	1250	1	NH-LATR 4A 3P SN/SG L8L8	**34400-0030**

NH Fuse-Switches SILAS, horizontal design, size 000 to 3 busbar systems 40/12

NH Fuse-Switches, horizontal design, for busbar mounting
Fuse-switches of the SILAS series are designed to be mounted on busbars. They feature a consistent installation depth and are easily and flexibly installed in accordance with customer requirements.

▶ Technical data, page 341



39000-0137

NH piggyback Fuse-Switches, horizontal design, 690 V AC for 40/12 mm busbar systems, installation depth 70 mm, plug-in contacting

Features:
- Electronic fuse monitoring (ESÜ)
- No auxiliary power supply required
- Independent of feed side
- Size 1 and 2 with hook contacting, non-reversible, top terminal

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm², bottom terminal	000	100	1	SILAS SB NH000 40 ESF MA AU R4	**39000-0137**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 40 EB70 ESF MA R5	**39020-0130**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 40 EB70 ESF MA U5	**39021-0130**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 40 EB70 ESF MA U2	**39060-0130**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 40 EB70 ESF MA R	**39061-0130**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 40 EB70 ESF MA AO U2	**39078-0130**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 40 EB70 ESF MA AO R	**39079-0130**



39079-0030

NH piggyback Fuse-Switches, horizontal design, 690 V AC for 40/12 mm busbar systems, installation depth 70 mm, plug-in contacting

Features:
- Mechanical fuse monitoring by motor protections switch (MSÜ)
- Monitoring of all fuses
- No auxiliary power supply required
- Size 1 and 2 with hook contacting, non-reversible, top terminal

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 40 EB70 SN R5	**39020-0030**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 40 EB70 SN U5	**39021-0030**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 40 EB70 SN U2	**39060-0030**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 40 EB70 SN R	**39061-0030**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 40 EB70 SN AO U2	**39078-0030**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 40 EB70 SN AO R	**39079-0030**

NH Fuse-Switches SILAS, horizontal design, size 000 to 3 Busbar systems 60 mm

The horizontal-design NH Fuse-Switches of the SILAS series yield many benefits when installed on 60-mm busbar systems.

- Rotating hook contacting for top or bottom terminal position
- Narrowest device worldwide within this system (size 000)
- Consistent field cover height for all sizes

▶ Technical data, page 341



39040-0130

NH piggyback Fuse-Switches, horizontal design, 690 V AC, for 60-mm busbar systems, 32 mm installation depth, hook contacting, for combination with D0 elements

Features:
- Electronic fuse monitoring (ESÜ)
- No auxiliary power supply required
- Independent of feed side

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 50 mm², bottom terminal	000	100	1	SILAS SB NH000 60 ESF MA AU R4	**39010-0137**
Box clamp 2.5 – 50 mm², top terminal	000	100	1	SILAS SB NH000 60 ESF MA AO R4	**39011-0137**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB32 ESF MA R5	**39040-0130**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB70 ESF MA R5	**39050-0130**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 60 EB70 ESF MA U5	**39052-0130**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB70 SN R5	**39050-0030**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 60 EB70 ESF MA U2	**39064-0130**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 60 EB70 ESF MA R	**39068-0130**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 60 EB70 ESF MA U2	**39070-0130**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 60 EB70 ESF MA R	**39074-0130**
Multiple-use terminal (bolt M10)	3	630	1	SILAS SB NH3 60 EB70 ESF MA U2	**39080-0130**
Box clamp 95 – 300 mm²	3	630	1	SILAS SB NH3 60 EB70 ESF MA R	**39084-0130**
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB70 ESF MA R5	**39050-0130**



39068-0030

NH piggyback Fuse-Switches, horizontal design, 690 V AC, for 60-mm busbar systems, 70 mm installation depth, hook contacting

Features:
- Mechanical fuse monitoring by motor protections switch (MSÜ)
- Monitoring of all fuses
- No auxiliary power supply required

Designation	Size	Amps	PU	Product designation	Order no.
Box clamp 2.5 – 95 mm²	00	160	1	SILAS SB NH00 60 EB70 SN R5	**39050-0030**
Multiple-use terminal (bolt M8)	00	160	1	SILAS SB NH00 60 EB70 SN U5	**39052-0030**
Multiple-use terminal (bolt M10)	1	250	1	SILAS SB NH1 60 EB70 SN U2	**39064-0030**
Box clamp 35 – 150 mm²	1	250	1	SILAS SB NH1 60 EB70 SN R	**39068-0030**
Multiple-use terminal (bolt M10)	2	400	1	SILAS SB NH2 60 EB70 SN U2	**39070-0030**
Box clamp 95 – 300 mm²	2	400	1	SILAS SB NH2 60 EB70 SN R	**39074-0030**
Multiple-use terminal (bolt M10)	3	630	1	SILAS SB NH3 60 EB70 SN U2	**39080-0030**
Box clamp 95 – 300 mm²	3	630	1	SILAS SB NH3 60 EB70 SN R	**39084-0030**

Technical data of the electronic and mechanical fuse-monitoring devices

Electronic fuse-monitoring

- Indication of fault-free operation by green LED
- Fault indication by red LED
- No auxiliary power supply required
- Remote indication via 4-pole connector and 1 NC and 1 NO contact
- Monitoring of all fuses red LED flashes in the case of failure
- Automatic reset after replacement of tripped fuse-link(s)
- Independent of feed side

Technical data	
Rated operational voltage U_e	AC 400 V – AC 690 V 50/60 Hz
Rated isolation voltage U_i	1000 V
Rated impulse withstand-current U_{imp}	8 kV
Conditional rated short-circuit current (when protected by NH fuse-links)	50 kA
Permissible ambient temperature	–20 °C – +55 °C
Delay	1 - 1,5 s
Function	Differential voltage > 30 V
Indicators	Operating voltage green LED flashes Fuse tripped: red LED flashes
Alert output	Relay with NC and NO contacts. Reliable isolation acc. to EN 50178
Operating voltage/current-alert output	AC 250 V/DC 30 V max. 5 A

Mechanical fuse monitoring with circuit breaker

- Indication: Position “I” – ready for operation Position “0” – Fault
- Remote indication via 4-pole connector and 1 NC and 1 NO contact
- No auxiliary power supply required
- Monitoring of all fuses

Technical data				
Rated operational voltage U_e	AC 24 V–AC 690 V / 50/60 Hz / DC 24 V – DC 250 V			
Rated isolation voltage U_i	690 V			
Rated impulse withstand-current U_{imp}	6 kV			
Conditional rated short-circuit current (when protected by NH fuse-links)	50 kA			
Permissible ambient temperature	–20 °C – +55 °C			
Delay	< 0,5 s			
Function	From 25 V voltage drop			
Indicators	Ready for operation: handle position “I” Fault indication: handle position “0”			
Alert output	Aux. contact 1 NC + 1 NO			
Operating-voltage alert output	AC 24 V	AC 230 V	DC 24 V	DC 60 V
Operating-current alert output	2 A	0,5 A	1 A	0,15 A

NH Fuse-Switches SILAS, horizontal design

For baseplate mounting, with electronic fuse-monitoring, up to 690 V AC

Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm²	000	100 A	1	0,5	SILAS NH000 ESF MA R4R4	**34040-0137**
Multiple-use terminal (bolt M8)	00	160 A	1	0,7	SILAS NH00 ESF MA U5U5	**34077-0130**
With box clamp rm/re 95 mm²	00	160 A	1	0,7	SILAS NH00 ESF MA R5R5	**34076-0130**
Multiple-use terminal (bolt M10)	1	250 A	1	2,1	SILAS NH1 ESF MA U2U2	**34170-0130**
With box clamp rm/re 150 mm²	1	250 A	1	2,2	SILAS NH1 ESF MA RR	**34175-0130**
Multiple-use terminal (bolt M10)	2	400 A	1	3,1	SILAS NH2 ESF MA U2U2	**34270-0130**
With box clamp rm/re 300 mm²	2	400 A	1	3,7	SILAS NH2 ESF MA RR	**34275-0130**
Multiple-use terminal (bolt M10)	3	630 A	1	3,6	SILAS NH3 ESF MA U2U2	**34370-0130**
With box clamp rm/re 300 mm²	3	630 A	1	4,1	SILAS NH3 ESF MA RR	**34375-0130**

For dimensions of fuse-monitoring devices see page 345

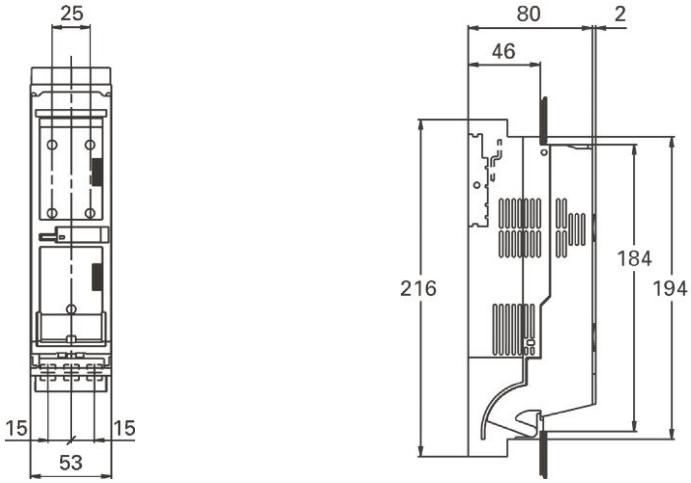
For baseplate mounting, with mechanical fuse-monitoring, up to 690 V

Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
Multiple-use terminal (bolt M8)	00	160 A	1	1,0	SILAS NH00 SN U5U5	**34077-0030**
With box clamp rm/re 95 mm²	00	160 A	1	1,0	SILAS NH00 SN R5R5	**34076-0030**
Multiple-use terminal (bolt M10)	1	250 A	1	2,4	SILAS NH1 SN U2U2	**34170-0030**
With box clamp rm/re 150 mm²	1	250 A	1	2,6	SILAS NH1 SN RR	**34175-0030**
Multiple-use terminal (bolt M10)	2	400 A	1	3,4	SILAS NH2 SN U2U2	**34270-0030**
With box clamp rm/re 300 mm²	2	400 A	1	4,0	SILAS NH2 SN RR	**34275-0030**
Multiple-use terminal (bolt M10)	3	630 A	1	3,9	SILAS NH3 SN U5U5	**34370-0030**
With box clamp rm/re 300 mm²	3	630 A	1	4,4	SILAS NH3 SN RR	**34375-0030**

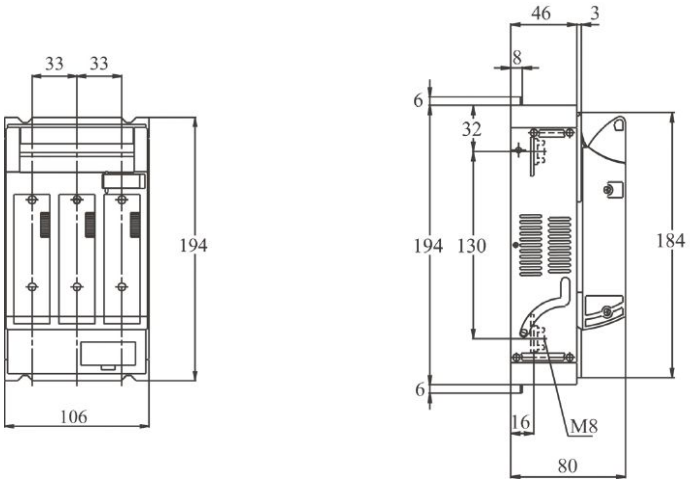
For dimensions of fuse-monitoring devices see page 345

NH Fuse-Switches SILAS, horizontal design

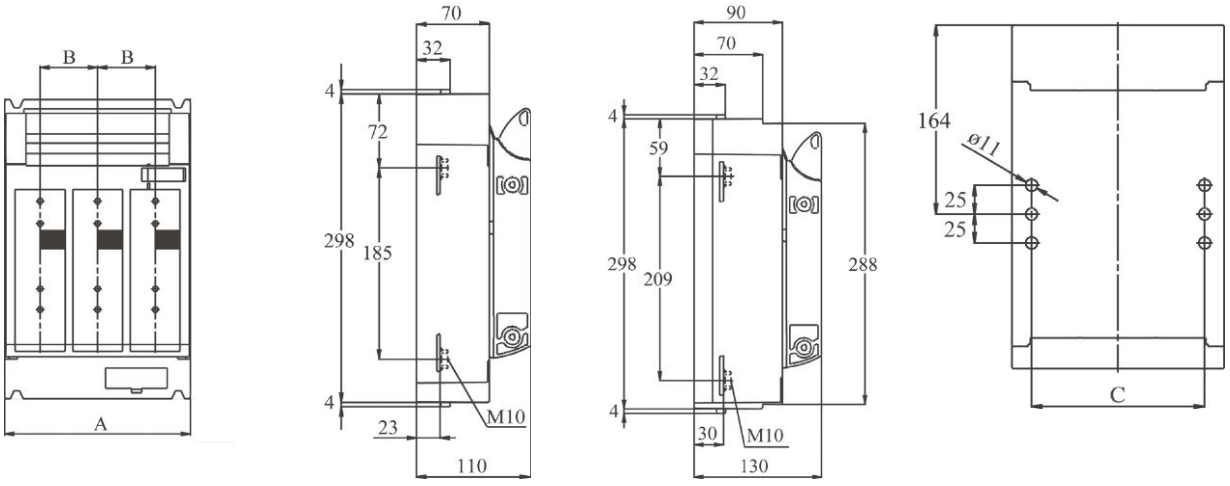
Dimensions drawings
Size 000



Dimensions drawings
Size 00



Dimensions drawings
Size 1 – 3



Size	A	B	C
1	184	57	150
2	210	65	166
3	250	80	195

Size 1

Size 2/3

NH Fuse-Switches SILAS, horizontal design

For busbar system 40/12 according to DIN 43870, with electronic fuse-monitoring, up to 690 V AC

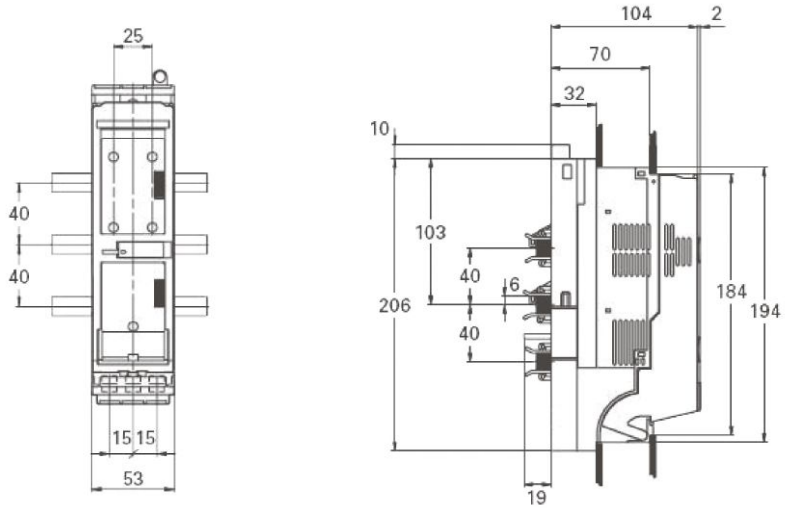
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm² Bottom terminals	000	100 A	1	0,6	SILAS SB NH000 40 ESF MA AU R4	**39000-0137**
With box clamp rm/re 50 mm² Top terminals	000	100 A	1	0,6		**39001-0137**
Multiple-use terminal (bolt M8)	00	160 A	1	0,9	SILAS SB NH00 40 EB70 ESF MA U5	**39021-0130**
With box clamp rm/re 95 mm²	00	160 A	1	0,9	SILAS SB NH00 40 EB70 ESF MA R5	**39020-0130**
Multiple-use terminal (bolt M10)	1	250 A	1	2,3	SILAS SB NH1 40 EB70 ESF MA U2	**39060-0130**
With box clamp rm/re 150 mm²	1	250 A	1	2,3	SILAS SB NH1 40 EB70 ESF MA R	**39061-0130**
Multiple-use terminal (bolt M10)	2	400 A	1	3,3	SILAS SB NH2 40 EB70 ESF MA AO U2	**39078-0130**
With box clamp rm/re 300 mm²	2	400 A	1	3,6	SILAS SB NH2 40 EB70 ESF MA AO R	**39079-0130**

For busbar system 40/12 according to DIN 43870, with mechanical fuse-monitoring, up to 690 V

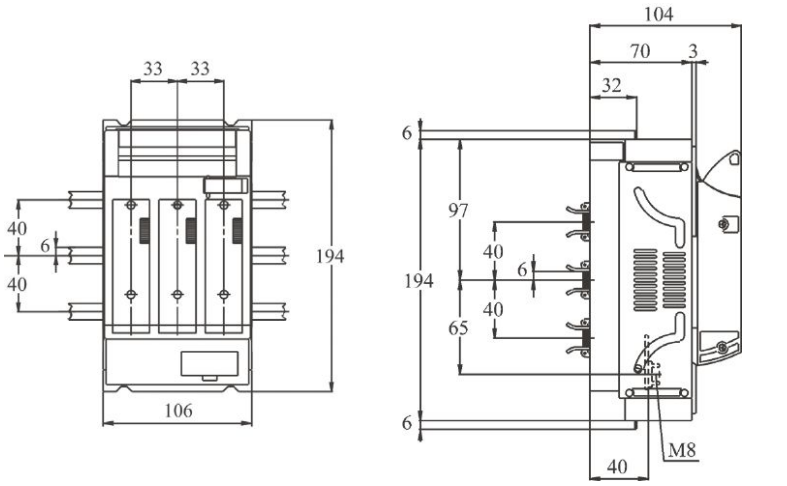
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
Multiple-use terminal (bolt M8)	00	160 A	1	1,2	SILAS SB NH00 40 EB70 SN U5	**39021-0030**
With box clamp rm/re 95 mm²	00	160 A	1	1,2	SILAS SB NH00 40 EB70 SN R5	**39020-0030**
Multiple-use terminal (bolt M10)	1	250 A	1	2,6	SILAS SB NH1 40 EB70 SN U2	**39060-0030**
With box clamp rm/re 150 mm²	1	250 A	1	2,6	SILAS SB NH1 40 EB70 SN R	**39061-0030**
Multiple-use terminal (bolt M10)	2	400 A	1	3,6	SILAS SB NH2 40 EB70 SN AO U2	**39078-0030**
With box clamp rm/re 300 mm²	2	400 A	1	3,9	SILAS SB NH2 40 EB70 SN AO R	**39079-0030**

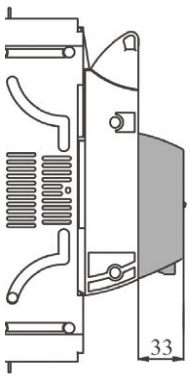
NH Fuse-Switches SILAS, horizontal design

Busbar mounting
Size 000



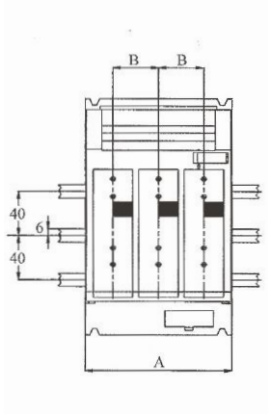
Busbar mounting
Size 00



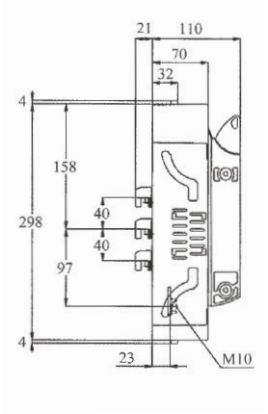


Electronic fuse-monitoring

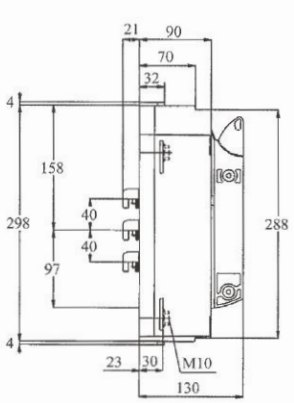
Busbar mounting
Size 1 – 3

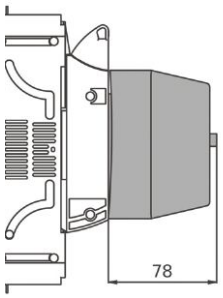


Size 1



Size 2/3





Mechanical fuse monitoring
with circuit breaker

Size	A	B
1	184	57
2	210	65
3	250	80

NH Fuse-Switches SILAS, horizontal design

For 60 mm busbar system, with electronic fuse-monitoring, up to 690 V AC

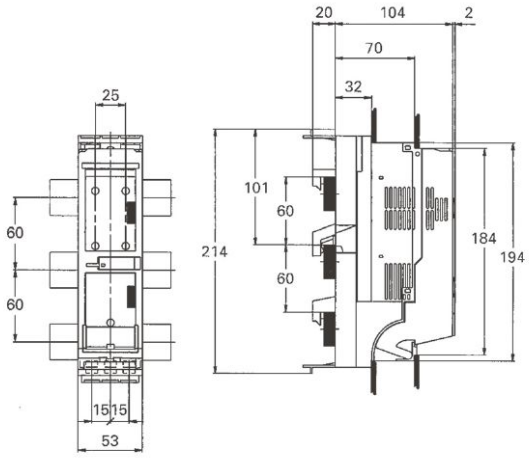
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
With box clamp rm/re 50 mm² Bottom terminals	000	100 A	1	0,6	SILAS SB NH000 60 MA AU R4	**39010-0137**
With box clamp rm/re 50 mm² Top terminals	000	100 A	1	0,6	SILAS SB NH000 60 MA AO R4	**39011-0137**
Multiple-use terminal (bolt M8)	00	160 A	1	0,9	SILAS SB NH00 60 EB70 ESF MA U5	**39052-0130**
With box clamp rm/re 95 mm² Installation depth 70 mm	00	160 A	1	0,9	SILAS SB NH00 60 EB32 ESF MA R5	**39040-0130**
With box clamp rm/re 95 mm² Installation depth 70 mm	00	160 A	1	0,9	SILAS SB NH00 60 EB70 ESF MA R5	**39050-0130**
Multiple-use terminal (bolt M10)	1	250 A	1	2,3	SILAS SB NH1 EB70 ESF70 MA U2	**39064-0130**
With box clamp rm/re 150 mm²	1	250 A	1	2,3	SILAS SB NH1 60 EB70 ESF MA R	**39068-0130**
Multiple-use terminal (bolt M10)	2	400 A	1	3,3	SILAS SB NH2 60 EB70 ESF MA U2	**39070-0130**
With box clamp rm/re 300 mm²	2	400 A	1	3,6	SILAS SB NH2 60 EB70 ESF MA R	**39074-0130**
Multiple-use terminal (bolt M10)	3	630 A	1	4,0	SILAS SB NH3 60 EB70 ESF MA U2	**39080-0130**
With box clamp rm/re 300 mm²	3	630 A	1	4,1	SILAS SB NH3 60 EB70 ESF MA R	**39084-0130**

For 60 mm busbar system, with mechanical fuse-monitoring, up to 690 V

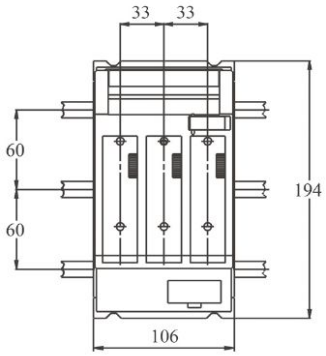
Description	Size	Amps I_n	PU	Weight in kg	Designation	Order no.
Multiple-use terminal (bolt M8)	00	160 A	1	1,2	SILAS SB NH00 60 EB70 SN U5	**39052-0030**
With box clamp rm/re 95 mm² Installation depth 32 mm	00	160 A	1	1,2	SILAS SB NH00 60 EB32 SN R5	**39040-0030**
With box clamp rm/re 95 mm² Installation depth 70 mm	00	160 A	1	1,2	SILAS SB NH00 60 EB70 SN R5	**39050-0030**
Multiple-use terminal (bolt M10)	1	250 A	1	2,6	SILAS SB NH1 60 EB70 SN U2	**39064-0030**
With box clamp rm/re 150 mm²	1	250 A	1	2,6	SILAS SB NH1 60 EB70 SN R	**39068-0030**
Multiple-use terminal (bolt M10)	2	400 A	1	3,6	SILAS SB NH2 60 EB70 SN U2	**39070-0030**
With box clamp rm/re 300 mm²	2	400 A	1	3,9	SILAS SB NH2 60 EB70 SN R	**39074-0030**
Multiple-use terminal (bolt M10)	3	630 A	1	4,3	SILAS SB NH3 60 EB70 SN U2	**39080-0030**
With box clamp rm/re 300 mm²	3	630 A	1	4,5	SILAS SB NH3 60 EB70 SN R	**39084-0030**

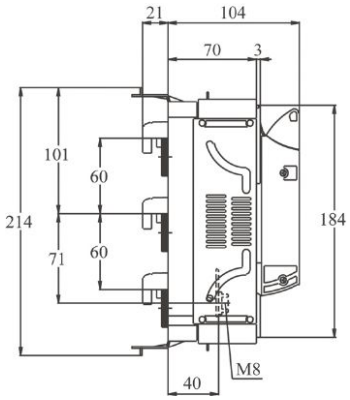
NH Fuse-Switches SILAS, horizontal design

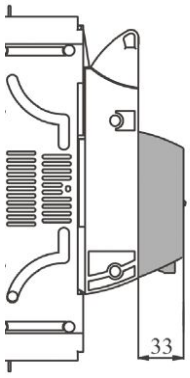
Busbar mounting
Size 000



Busbar mounting
Size 00

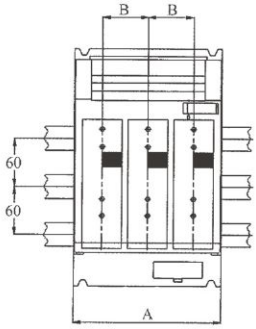


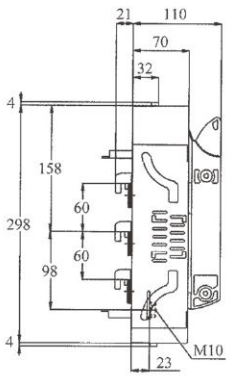




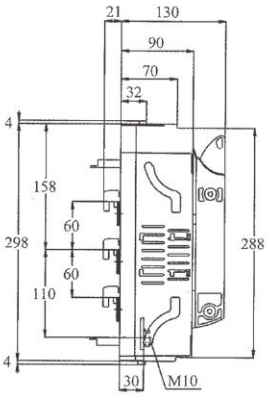
Electronic fuse-monitoring

Busbar mounting
Size 1 – 3

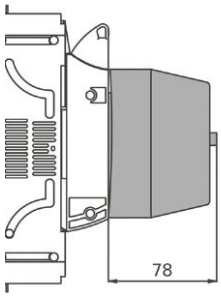




Size 1



Size 2/3



Mechanical fuse monitoring
with circuit breaker

Size	A	B
1	184	57
2	210	65
3	250	80

NH Fuse-Switches, 80 V and 550 V DC, 1-pole switching, for baseplate and busbar mounting



33107-0602

TPS fuse-switch for baseplate mounting with fuse-monitoring

Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8	00	250	2	U NH-LATR TPS 00/250 1P SM G4G4	**33107-0252**
Flat terminal M12	00	600	2	U NH-LATR TPS 00/600 1P SM L6L6	**33107-0602**
Flat terminal M16	2	1200	1	U NH-LATR TPS 2/1200 1P SN L8L8	**33460-0010**
Flat terminal 2 x M12	2	1600	1	U NH-LATR TPS 2/1600 1P SN L6L6	**33560-0010**



33111-0252

TPS fuse-switch for busbar mounting with fuse-monitoring

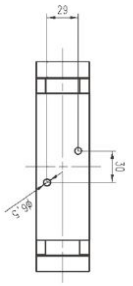
Designation	Size	Amps	PU	Product designation	Order no.
Flat terminal M8	00	250	2	U NH-LATR TPS 00/250 1P SB SM G4	**33111-0252**
Flat terminal M12	00	600	2	U NH-LATR TPS 00/600 1P SB SM L6	**33111-0602**
Flat terminal M16	2	1200	1	U NH-LATR TPS 2/1200 1P SB SN L8	**33470-0010**
Flat terminal 2 x M12	2	1600	1	Flachanschluss 2x M12	**33570-0010**

Cover with integrated fuse-monitoring for NH fuse-switch 550 V DC

Designation	Size	PU	Product designation	Order no.
Cover with fuse-monitoring	1	1	DECKEL LA-LEI 1 SU	**83359-0100**
Cover with fuse-monitoring	2	1	DECKEL LA-LEI 2 SU	**83360-0100**
Cover with fuse-monitoring	3	1	DECKEL LA-LEI 3 SU	**83361-0100**

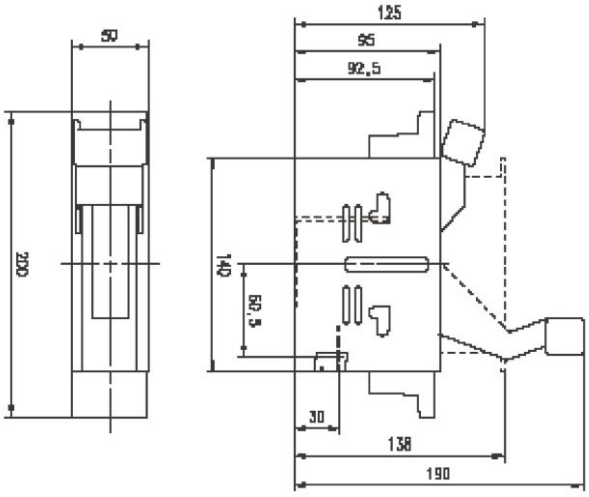
TPS Fuse-Switches

TPS 00/250



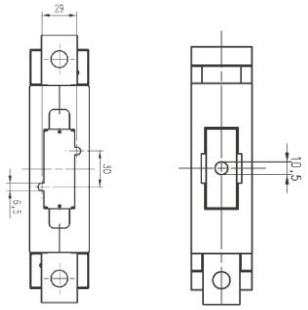
Baseplate mounting

Busbar mounting



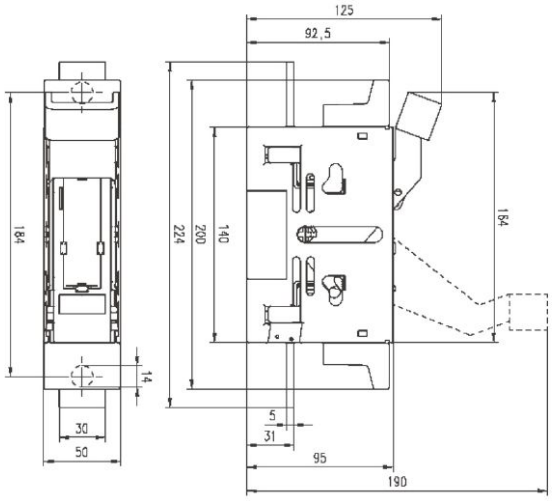
NH Fuse-Switches for DC applications up to 80 V, TPS series

TPS 00/600

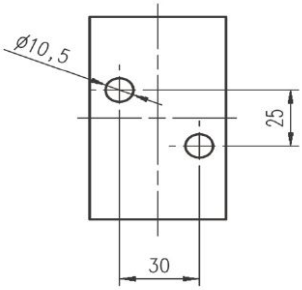


Baseplate mounting

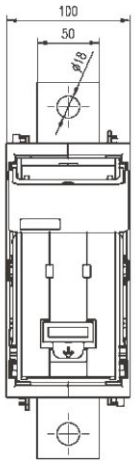
Busbar mounting

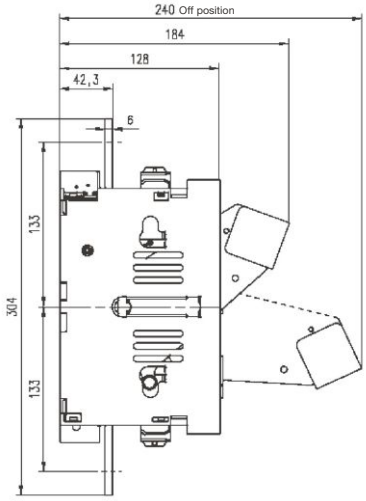


TPS 2/1200

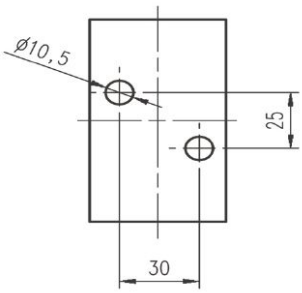


Baseplate mounting

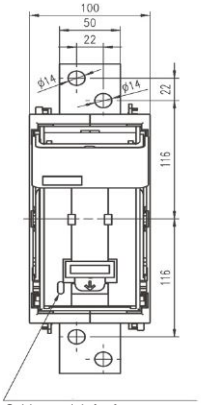




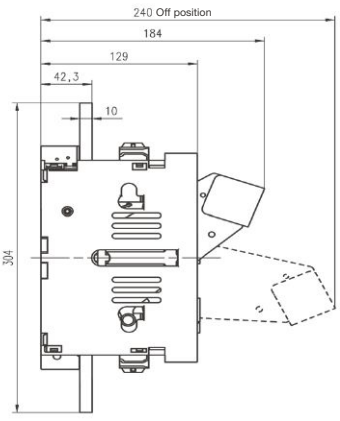
TPS 2/1600



Baseplate mounting



Cable conduit for fuse monitoring variant 33560-0010



NH Fuse-Switches, vertical design, with fuse-monitoring

▶ For further accessories see page 331 and following, for matching current transformers see page 330



38054-0030

E³ NH Fuse-Switches, vertical design, size 00/60 and 00/100, 3-pole switching, 160 A for 60 and 100 mm busbar systems, with electronic fuse-monitoring

Features:
- Busbar spacing 60 and 100 mm
- System in ready-state: LED flashes green
- System in fault state: LED flashes red

Designation	Size	Amps	PU	Product designation	Order no.
Size 00/60, 3-pole switching, with multiple-use terminal (screw M8), hook-contacting	00/60	160	1	E³ NH-LA-LEI 00/60 3P ESÜ MA U5	**38044-0030**
Size 00/60, 3-pole switching, with box clamp 95 mm², hook-contacting	00/60	160	1	E³ NH-La-Lei 00/60 3P ESÜ Ma R5	**38046-0030**
Size 00/100, 3-pole switching, with multiple-use terminal (screw M8), hook-contacting	00/100	160	1	E³ NH-La-Lei 00/100 3P Bh ESÜ Ma U5	**38054-0030**
Size 00/100, 3-pole switching, with box clamp 95 mm², hook-contacting	00/100	160	1	E³ NH-La-Lei 00/100 3P Bh ESÜ Ma R5	**38056-0030**



38016-0040

E³ NH Fuse-Switches, vertical design, size 1 – 3, 3-pole switching, for 185 mm busbar spacing, with electronic fuse-monitoring

Features:
- integrated wiring inside switching cover

Designation	Size	Amps	PU	Product designation	Order no.
With multiple-use terminal (bolt M12) with elec. fuse mon. (ESÜ)	1	250	1	E³ NH-LA-LEI 1 3P ESÜ MA U6	**38016-0040**
With multiple-use terminal (bolt M12) with elec. fuse mon. (ESÜ)	2	400	1	E³ NH-LA-LEI 2 3P ESÜ MA U6	**38026-0040**
With multiple-use terminal (bolt M12) with elec. fuse mon. (ESÜ)	3	630	1	E³ NH-LA-LEI 3 3P ESÜ MA U6	**38036-0040**

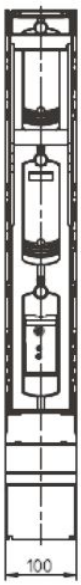
E³ NH Fuse-Switches, vertical design, with electronic fuse-monitoring

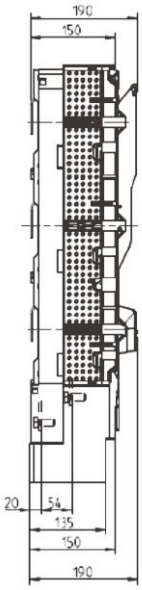
Technical data

Article designation	Size	Amps	Order no.
E³ NH-LA-LEI 1 3P ESÜ2 MA U6	NH 1	250	**38016-0640**
E³ NH-LA-LEI 2 3P ESÜ2 MA U6	NH 2	400	**38026-0640**
E³ NH-LA-LEI 3 3P ESÜ2 MA U6	NH 3	630	**38036-0640**

For NH Fuse-Switches acc. to VDE 0660 T-107 / IEC/EN 60947-1/-3

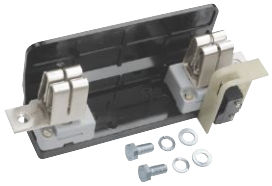
Suitable for NH fuse-links acc. to DIN 43210/1				Size NH1	Size NH2	Size NH3
Rated operating current	400 V	I_e	A	250	400	630
	500 V			250	400	630
	690 V			200	315	500
Conventional free-air thermic current		I_{th}	A	250	400	630
Rated operating voltage		U_e	V	AC 690	AC 690	AC 690
Rated insulation voltage		U_i	V	1000	1000	1000
Rated impulse withstand-current		U_{imp}	kV	8	8	8
Conditional rated short-circuit current (when protected by NH fuse-links)	400 V		kA_{eff}	120	120	120
	500 V			120	120	120
	690 V			100	100	100
Utilization category VDE 0660 T107/EN/IEC 60947-3	400 V			AC-23B	AC-23B	AC-23B
	500 V			AC-22B	AC-22B	AC-22B
	690 V			AC-21B	AC-21B	AC-21B
Mechanical durability		Cycles		1400	1400	1400
Electrical durability		Cycles		200	200	200
Permissible ambient temperature			°C	-25 to +55 °C	-25 to +55 °C	-25 to +55 °C
Degree of protection DIN/EN 60529/VDE 0470 T1			IP	30	30	30
Max. permissible power dissipation of NH fuse-link		P_V	W	23	34	48
Total power dissipation (without fuse-link)		P_V	W	27	56	111
Pollution degree		-	-	3	3	3
Overvoltage category		-	-	IV	IV	IV
Rated frequency		-	Hz	50-60	50-60	50-60
Weight without NH fuse-link		-	kg	4,8	5,1	5,7





Technical data of electronic fuse-monitoring devices	
Rated operational voltage U_e	AC 400 V – AC 690 V 50/60 Hz
Rated isolation voltage U_i	1000 V
Rated impulse withstand-current U_{imp}	8 kV
Conditional rated short-circuit current (when protected by NH fuse-links)	50 kA
Permissible ambient temperature	–20 °C – +55 °C
Delay	1 - 1,5 s
Function	Differential voltage > 30 V
Indicators	Operating voltage green LED flashes Fuse tripped: red LED flashes
Alert output	Relay with NC and NO contacts. Reliable isolation acc. to EN 50178
Operating voltage/current-alert output	

▶ Technical data, page 356



33041-0010

NH Fuse-Bases of size 3L, for base-plate mounting with striker for fuse-monitoring, 1500 V AC

Designation	Size	Amps	PU	Product designation	Order no.
Clinch nut M12, with striker	3L	425	1	A NH-UNT 3L 1500V MS G6G6	**33041-0010**
Clinch nut M16, with striker	3L	630	1	NH-UNT 3L 1500V MS G8G8	**33042-0010**



33087-0010

Striker bases

Designation	PU	Product designation	Order no.
690 V	5	SIG-UNT 690V MS G2	**33087-0010**
1000 V	5	A SIG-UNT 1000V MS G2	**33088-0010**
1200 V	4	SIG-UNT 1200V MS G2	**33089-0010**
1500 V	4	SIG-UNT 1500V MS G2	**33090-0010**
2000 V	4	SIG-UNT 2000V MS G2	**33091-0010**



36031-0020

Strikers

Designation	PU	Product designation	Order no.
690 V / NS 3001	12	SIGNALMELDER 690V	**36000-0010**
1000 V / NS 3002	12	A SIGNALMELDER 1000V	**36001-0010**
2000 V / NS 3005	16	SIGNALMELDER 2000V	**36002-0010**
1500 V / NS 3003	15	SIGNALMELDER 1500V	**36003-0010**
1200 V / NS 3015	25	SIGNALMELDER 1200V	**36007-0010**
Striker 690 V / >=2 V	12	ELEGARD-EINSATZ >=2V	**36031-0020**



36030-0010

Elegard

Designation	PU	Product designation	Order no.
Holder	4	ELEGARD-HALTER	**36030-0000**
Striker (elegard striker unit) for fuse-monitoring, size 1 – 3	12	ELEGARD-EINSATZ	**36031-0010**
Striker 690 V / >=2 V	12	ELEGARD-EINSATZ >=2V	**36031-0020**

Accessories for switch position indication

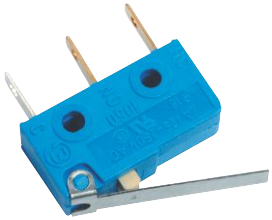


36107-0010

Microswitch for switch position indication for NH Fuse-Switches

Features:
- For switch position indication

Designation	Size	PU	Product designation	Order no.
Microswitch for switch position indication	000	1	MIKROSCHALTER FÜR SCHALTZUSTANDSANZEIGE	**36107-0010**
Microswitch for switch position indication	2	1	MIKROSCHALTER FÜR SCHALTZUSTANDSA. TPS 2	**36887-0010**



36959-0060

Microswitch for switch position indication for NH Fuse-Switches

Features:
- For switch position indication

Designation	Size	PU	Product designation	Order no.
Microswitch, narrow variant	000	1	MIKROSCHALTER GR.000-00 SILAS	**36959-0010**
Microswitch	1-3	1	MIKROSCHALTER GR.1-3 SILAS	**36959-0060**



36335-0010

Microswitch for position indication for E³ NH Fuse-Switches, size 00

Features:
- NC-contact or NO-contact microswitch
- 2 A / 250 V AC plug-in tab 2.8 x 0.5 mm

Use:
- 2 microswitches for 3-pole switching devices

Designation	Size	PU	Product designation	Order no.
Microswitch for switch position indication, 1 NC contact or 1 NO contact, 1 kit = 6 pieces	00/60 00/185	6	Mikrosch.Schaltstellung. E³00 (1Set=6St)	**36335-0010**



36375-0010

Microswitch for position indication for E³ NH Fuse-Switches, size 1 – 3

Features:
- Microswitch with NC contact or NO contact

Use:
- For 1-pole switching: 3 microswitches

Designation	PU	Product designation	Order no.
Microswitch for switch position indication, 1 NC contact or 1 NO contact, 1 set = 6 pieces	6	Mikrosch.Schaltstellung. E³1-3 (1Set=6St)	**36375-0010**

▶ Technical data, page 358



81152-0100

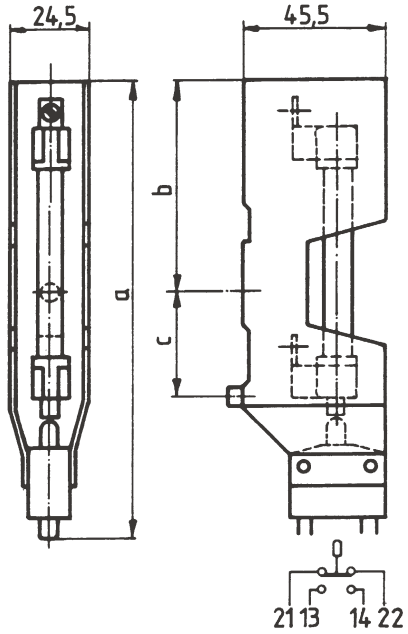
Power metering

Designation	Size	Amps	PU	Product designation	Order no.
Locking ring			1	RING 30X1,2 DIN984	**25304-0100**
Current converter NH fuse-link 400 V	2	100	3	NH-SI 2 100A GL AG AC400V WA LE	**35067-0010**
Current converter NH fuse-link 400 V	2	125	3	NH-SI 2 125A GL AG AC400V WA LE	**35067-0020**
Current converter NH fuse-link 400 V	2	160	3	NH-SI 2 160A GL AG AC400V WA LE	**35067-0030**
Current converter NH fuse-link 400 V	2	200	3	NH-SI 2 200A GL AG AC400V WA LE	**35067-0040**
Current converter NH fuse-link 400 V	2	224	3	NH-SI 2 224A GL AG AC400V WA LE	**35067-0050**
Current converter NH fuse-link 400 V	2	250	3	NH-SI 2 250A GL AG AC400V WA LE	**35067-0060**
Current converter NH fuse-link 400 V	2	315	3	NH-SI 2 315A GL AG AC400V WA LE	**35067-0070**
Current converter NH fuse-link 400 V	2	355	3	NH-SI 2 355A GL AG AC400V WA LE	**35067-0080**
Current converter NH fuse-link 400 V	2	400	3	NH-SI 2 400A GL AG AC400V WA LE	**35067-0090**
Current converter NH fuse-link 400 V	3	630	3	NH-SI 3 630A GL AC400V WA LE	**35190-0060**
Summary current transformer 300-600/5, for devices with 115 mm width only	3		2	AUFSTW. NH 6.3 600-300/5A 10-5VA KL3	**81153-0100**
Maximum current meter, measurement range 100 – 200/5	2		1	MAX.-STROMMESSER 100-200/5A	**85153-0100**
Metering case A			1	KOFFER F. MESSWANDLER-SI. GRÖSSE A	**85196-0100**
Metering case B			1	KOFFER F. MESSWANDLER-SI. GRÖSSE B	**85263-0100**
Summary current transformer 200 – 400/5	2		1	AUFSTW. NH 6.2 400-200/5A 5-2,5VA KL3	**81142-0100**
Summary current transformer 100 – 200/5	2		1	AUFSTW. NH 6.2 200-100/5A 2,5-1,25VA KL3	**81152-0100**
Maximum current meter, measurement range 200 – 400/5	2		1	MAX.-STROMMESSER 200-400/5A	**85094-0100**
Maximum current meter, measurement range 200 – 400/1	2		1	MAX.-STROMMESSER 200-400/1A	**85094-0300**
Maximum current meter, measurement range 300 – 600/5	3		1	MAX.-STROMMESSER 300-600/5A	**85100-0100**

NH Accessories

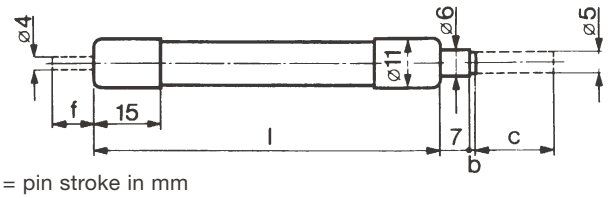
Fuse-monitoring
Fuse-monitoring devices are used for example in power converter systems in parallel with power transformer fuses or in AC and DC power systems.

Striker bases
Striker bases are fitted with auxiliary switches
1 NC contact and 1 NO contact (2 NO contacts upon request)
U_e = 380 V AC / 125 V DC (under resistive load)
I_e = 10 A AC / 0.5 A DC (under resistive load)
Connection by 6.3-mm tabs acc. to DIN 46248.



Designation	PU	Dimensions			Order no.
		a	b	c	
Striker base 690 V	5	129	42	40	**33087-0010**
Striker base 1000 V	5	148	61	40	**33088-0010**
Striker base 1200 V	4	213	72,5	70	**33089-0010**
Striker base 1500 V	4	194	72,5	70	**33090-0010**
Striker base 2000 V	4	233	107,5	70	**33091-0010**

Strikers
Strikers are tripped together with the NH fuse connected in parallel. A striker in itself does not represent a fuse, i.e. it must always be connected in parallel with an NH fuse-link.



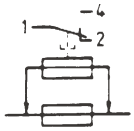
C = pin stroke in mm

Designation	PU	Minimum sensitivity		R	Dimensions				Order no.
		V	A	Ω	b	c	f	l	
Striker 690 V	12	9	2,5	2	1	18	-	60±1	**36000-0010**
Striker w. elegard striker unit	12	9							**36031-0010**
Striker 690 V ≥ 2 V	12	2	7	0,3	1	18	-	60±1	**36031-0020**
Striker 1000 V	12	10	3	2,4	1	18	-	79±1	**36001-0010**
Striker 1200 V	30	48	2	18	36	17	-	100±3	**36006-0010**
Striker 1200 V	25	48	2	18	25	17	-	100±3	**36007-0010**
Striker 1500 V	15	48	2	18	8	20	-	116±1	**36003-0010**
Striker 1500 V with pin	25	48	2	18	8	20	11,5	116±1	**36004-0010**
Striker 2000 V	16	55	2,5	20	8	20	-	150±1	**36002-0010**

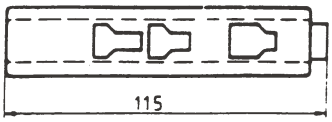
elegard
elegard fuse-monitoring is compatible with all standard NH fuse-links with non-insulated gripping lugs from size 00 to 4. A replaceable elegard striker unit is electrically connected to the live gripping lugs of the NH fuse-link via the spring contacts of the elegard holder. The striker unit sits on the NH fuse-link. If this is tripped, the elegard striker unit releases a pin acting on a microswitch integrated in the elegard holder.

Designation	PU	Order no.
elegard holder	4	**36030-0000**
elegard striker unit 690 V / > 9 V	12	**36031-0010**
elegard striker unit 690 V / ≥ 2 V	12	**36031-0020**

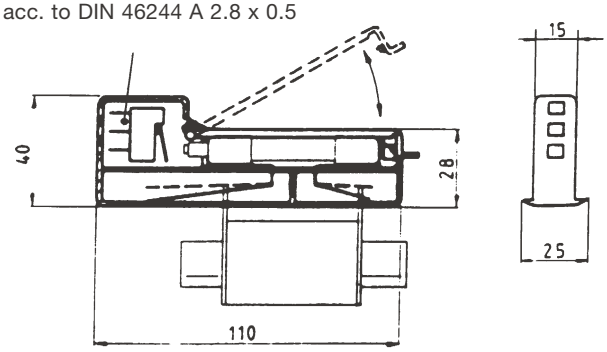
Only replace striker unit after the elegard holder has been removed



Microswitch AC 250 V 5 A



Tab acc. to DIN 46244 A 2.8 x 0.5

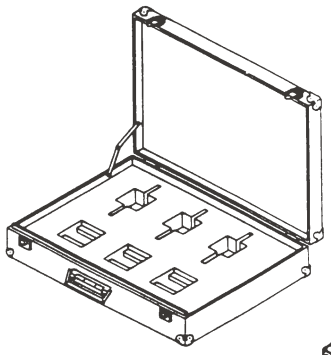


NH Accessories

Metering case for transport
EFEN metering cases are available into two sizes.

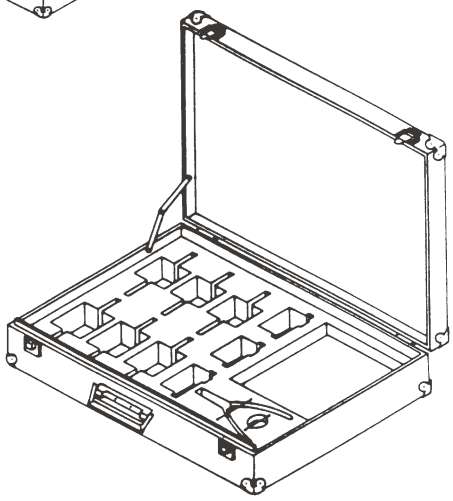
Size A fits of the following equipment:
- 3 current-transformer NH fuse-links size 2
- 3 summary current transformers
- 3 maximum-current meters
- 3 locking rings

Size A



Size B fits the following equipment:
- 6 current-transformer NH fuse-links size 2
- 3 summary current transformers
- 3 maximum-current meters
- 1 circlip pliers
- 6 locking rings
- 1 NH fuse handle with cuff

Size B



Designation	PU	Order no.
Metering case size A	1	**85196-0100**
Metering case size B	1	**85263-0100**

Current metering

EFEN offers a current metering set for the temporary or continuous metering of load currents. The set comprises:

- Maximum-current meter
- Summary current transformer
- Current-transformer NH fuse-link

In its general dimensions, the combination of current-transformer NH fuse-link and summary current transformer complies with DIN VDE 0636/T2. It fits standard NH fuse bases, NH fuse-rails and EFEN NH vertical fuse-switches.

The electric properties of the NH fuse-links comply with VDE 0636/T2 and IEC 60 269-2.

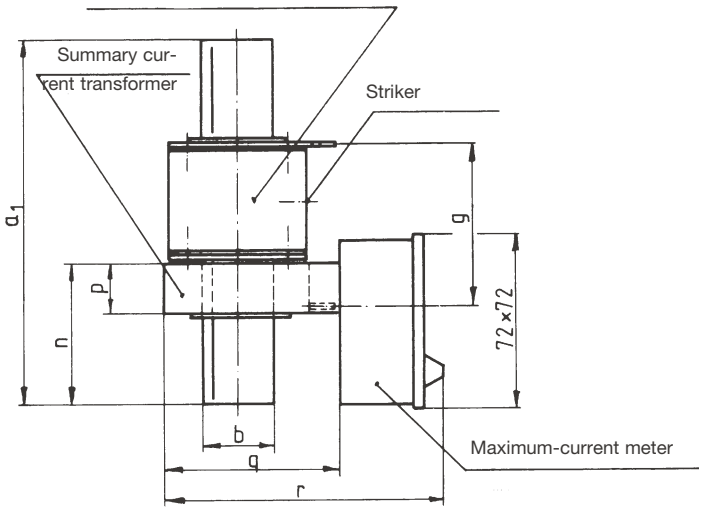
The summary current transformer has two pairs of sockets for the metering ranges required. Since the no-load voltage is only 3 V, the summary current transformer can be used in open circuits.

The maximum-current meter has two dials for the corresponding metering ranges.

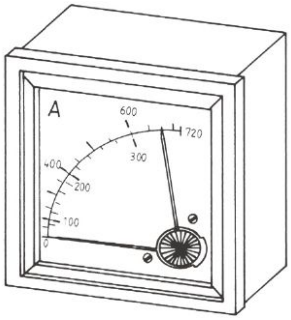
The response time is 8 minutes.

The overload protection covers 2 times the rated current.

Current-transformer NH fuse-links



Size	a_1	b	g	n	p	q	r
2	150	30	66	59	20	74	123
3	152	32	66	64	24	88	131



Designation	Size	Metering range	PU	Weight	Order no.
Maximum-current meter	2	200-400/5 A	1	0,100	**85094-0100**
Maximum-current meter	2	200-400/1 A	1	0,100	**85094-0300**
Maximum-current meter	2	100-200/5 A	1	0,100	**85153-0100**
Maximum-current meter	3	300-600/5 A	1	0,100	**85100-0100**
Summary current transformer	2	200-400/5 A	1	0,100	**81142-0100**
Summary current transformer	2	100-200/5 A	1	0,100	**81152-0100**
Summary current transformer for devices 115 mm wide	3	300-600/5 A	1	0,100	**81153-0100**
Current-transformer NH fuse-link 400 V	2	100 A	1	0,526	**35067-0010**
Current-transformer NH fuse-link 400 V	2	125 A	1	0,530	**35067-0020**
Current-transformer NH fuse-link 400 V	2	160 A	1	0,532	**35067-0030**
Current-transformer NH fuse-link 400 V	2	200 A	1	0,532	**35067-0040**
Current-transformer NH fuse-link 400 V	2	224 A	1	0,532	**35067-0050**
Current-transformer NH fuse-link 400 V	2	250 A	1	0,529	**35067-0060**
Current-transformer NH fuse-link 400 V	2	315 A	1	0,526	**35067-0070**
Current-transformer NH fuse-link 400 V	2	(355) A	1	0,538	**35067-0080**
Current-transformer NH fuse-link 400 V	2	400 A	1	0,535	**35067-0090**
Current-transformer NH fuse-link 400 V	3	630 A	1	0,400	**35190-0060**
Locking rings			1	0,100	**25304-0100**



Metering devices

Current grid values of your power distribution system at a glance – at all times. Multifunctional metering devices by EFEN have an important share in improving energy efficiency and system availability in smart distribution systems.

System
Permits the metering and monitoring of current operating and grid values in power distribution systems. In addition to power metering, harmonics analysis and visualization, multifunctional metering devices are also able to save measured data. These are transmitted to superordinate power management systems via optional interface modules.

Features
The high-quality measuring technology of the device facilitates 4-quadrant power metering. In this way, metering the feeding-in of power generated by wind power or solar power systems is possible. All electric parameters are visualized via an LCD.



Metering devices

Multifunctional metering devices page 362

Maximum-current meters page 362

Technical data page 363

Metering on site
Installation directly on the vertical-design fuse-switch or in the front panel



Multifunctional metering device
Power metering, visualization, harmonics analysis, data storage, power management



Extension Modules
Various interfaces such as JBUS/MODBUS, Profibus, Ethernet, data storage, temperature, analog



Maximum-current meter
Measurement range 100 to 600 A



Multifunctional metering devices – EM series



36360-0010

Multifunctional metering device EM 10

Features:
- For measurement, power metering and communication
- Auxiliary voltage supply Us 110 – 160 V AC
- Fits device carrier 36422-0010

Designation	PU	Product designation	Order no.
Multifunctional metering device EM 10 96 x 96 x 60 mm Aux. 110 – 400 V AC	1	A20/EM10 96x96x60 AUX110-400VAC 48250200	**36360-0010**
Control Vision software	1	Software EM10/EM30 Control Vision	**36364-0010**
IP65 protection cover	1	Schutzabdeckung IP65 EM10/EM30	**36365-0010**



36361-0010

Plug-in module for EM 10

Features:
- Fits multi-measurement device EM 10
- Mounts to backside
- Installation depth of module is 20 mm

Designation	PU	Product designation	Order no.
Plug-in module EM 10, pulsed output	1	Modul EM10 Impulsausgang	**36361-0010**
Plug-in module EM 10, communication	1	Modul EM10 JBUS/MODBUS	**36361-0020**



36362-0010

Multifunctional metering device EM 30

Features:
- Multifunctional measuring
- Power metering
- Visualization
- Harmonic analysis
- Monitoring and controlling
- Energy management
- Grid quality
- Database

Designation	PU	Product designation	Order no.
Multifunctional metering device EM 30 96 x 96 x 60 mm Aux. 110 – 400 V AC	1	A40/EM30 96x96x60 AUX110-400VAC 48250201	**36362-0010**
Multifunctional metering device EM 30 96 x 96 x 60 mm Aux. 12 – 48 V DC	1	EM30 96x96x60 AUX 12-48V DC	**36362-0020**
Control Vision software	1	Software EM10/EM30 Control Vision	**36364-0010**
IP65 protection cover	1	Schutzabdeckung IP65 EM10/EM30	**36365-0010**



36363-0010

Plug-in module for EM 30

Features:
- Fits multi-measurement device EM 30
- Mounts to backside
- Installation depth of module is 20 mm

Designation	PU	Product designation	Order no.
Plug-in module EM 30, pulsed output	1	Modul EM30 Impulsausgang	**36363-0010**
Plug-in module EM 30, JBUS/MODBUS	1	Modul EM30 JBUS/MODBUS	**36363-0030**
Plug-in module EM 30, Profibus	1	Modul EM30 Profibus	**36363-0040**
Plug-in module EM 30, monitoring/controlling	1	Modul EM30 Kontrolle/Steuerung	**36363-0050**
Plug-in module EM 30, Ethernet	1	Modul EM30 Ethernet	**36363-0060**
Plug-in module EM 30, Ethernet RS485 Gateway	1	Modul EM30 Ethernet RS485 Gateway	**36363-0070**
Plug-in module EM 30, memory module	1	Modul EM30 Speichermodul	**36363-0080**
Plug-in module EM 30, temperature indicator	1	Modul EM30 Temperatur	**36363-0090**
Plug-in module EM 30, analog output	1	Modul EM30 Analog Ausgang	**36363-0100**

EM multifunctional metering devices
Technical data

Current metering	EM10	EM30
Current (3I, In)	•	•
Phase-to-phase and phase-to-neutral voltage (3U, 3V)	•	•
Frequency (F)	•	•
Active, reactive, apparent and total power (+ΣP, +ΣQ, ΣS)	•	
Active, reactive, app. power p. phase and total power (±3P, ±3Q, 3S, ±ΣP, ±ΣQ, ΣS)		•
Total power factor (ΣPF)	•	
Power factor per phase and summary power (3PFL/C, ΣPFL/C)		•
Metering of maximum and average values		
Maximum current (3I, In)	•	•
Phase-to-phase and phase-to-neutral voltage and frequency (3U, 3V, F)		•
Total active power (ΣP+)	•	
Total active, reactive and apparent power (±ΣP, ±ΣQ, ΣS)		•
Metering of power quality		
Total harmonic distortion for integrated current and voltage up to 31st level (THD 3I, 3V, 3U)	•	
Total harmonic distortion for integrated current and voltage up to 51st level (THD 3I, In, 3V, 3U)		•
Meters		
Two-quadrant active and reactive power (+kWh, +kvarh)	•	
Four-quadrant active, reactive and apparent power (±kWh, ±kvarh, kVAh)		•
Operating hours counter, configurable to voltage or current		•
Metering type		
Grid type (3 P, 3 P+N and single-phase)	NS	NS/HS
TRMS values up to harmonics	51	
Metering accuracy		
Current and voltage	0,2 %	
Power	0,5 %	
Frequency	0,1 %	
Active power	Class 0.5S IEC 62053-22	
Reactive power	Class 2 IEC 62053-23	
Refresh period		
Display	1 s	
Current inputs		
Primary side of current transformer		
Secondary side of current transformer	5 A	5 A and 1 A
Metering range	5 mA to 6 A	10 mA to 20 A
Permissible overload	50 A - 1 s	
Consumption	< 0,6 VA	< 0,1 VA
Connection of current transformer secondary side to earth	yes	
Voltage inputs		
Direct metering	50 to 500 V AC	18 to 700 V AC
Metering via current transformers (secondary side 60, 100, 110, 115, 120, 173 and 190 V)	Not available	up to 500 kV AC
Frequency	45 to 65 Hz	
Auxiliary power supply		
standard	110 to 400 V AC ±10 % / 120 to 350 V DC ±20 %	
Please inquire	Not available	12 to 48 V DC -6 / +20 % (not UL)
Inputs		
Type	Not available	Optocoupler (10 to 30 V DC)
Monitoring and drive output		
Type	Not available	Relay (230 V AC – 5 A – 1150 VA)
Pulsed outputs		
Type	Relay (100 V DC – 0.5 A – 10 VA)	
Memory module		
Memory capacity	–	1024 kbits (512 Kb)



Safe and visually appealing Solutions

As a specialist for safety interfaces, EFEN has extended its range of solutions for power distribution grids. The distribution and house service system provides you with complete solutions from a single source, ready for tomorrow's smart power grid.



Distribution Systems

EFEN's standardized distribution cabinets and pillars comply with DIN EN 61439-5 and can be extended to meet specific requirements. The modular system with 4 width and 3 height possibilities offers various application options up to smart-grid applications.

Product overview page 366



Distribution System, round

The visually appealing house service and distribution pillars are the perfect solution for safe outdoor connections. Thanks to their modular design, they can be configured individually. They are available as stationary and mobile versions for use at event locations.

Product overview page 408



House Service Systems

Because our small house service pillars can be mouted outside, the are accessible for service work at any time. Their compact dimensions make these enclosures a perfect solution for a protected house service connection located outdoors.

Product overview page 420



Even more solutions

Complementing the range of distribution and house service systems, EFEN offers a multitude of solutions foroverhead-line and junction boxes. These products optimally complement the end-to-end, safe power supply up to the consumer.

Product overview page 437



Applications for distribution Systems

Distribution cabinets and pillars by EFEN are applicable in many ways. They are used as distribution cabinet for safe power supply or as control cabinets for pumps and lighting systems. The systems are characterized by their modular design, making them ready for tomorrow's smart power grid.

System
EFEN's distribution systems comply with DIN EN 61439-5 and can modularly be extended to meet specific requirments. Clever solutions for smart-grid applications will soon be available. Special coatings such as anti-graffiti or UV protection are available upon request.

Features
Thanks to their modular design, EFEN distribution systems can be used for various applications. The distribution pillars can be equipped with pre-assembled baseplates or busbar systems as an option. EFEN distribution cabinets are available in numerous width, height and base variants, with baseplates or busbar systems as an option.



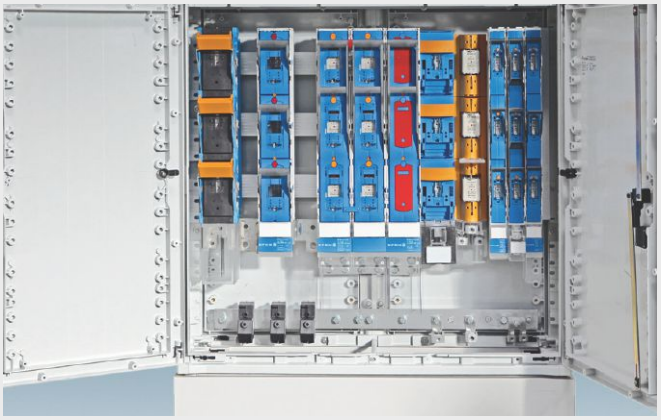
Distribution Systems

Distribution cabinets, flat design	page 368
Distribution cabinets, sizes 00, 0, 1, 2	page 369
Fairground and market square distribution cabinets, sizes 00, 0, 1, 2	page 379
Distribution pillars heights 1595 mm, 1710 mm	page 382
Distribution pillars heights 1595 mm, 1710 mm, 2010 mm	page 383
Accessories for distribution cabinets and pillars	page 386
Distribution pillar, round	page 389
Distribution pillar, round, for fairgrounds and market squares	page 392
Cross-Reference-List	page 452

Multivarious
Numerous width and heights



Upgradable
Extendable through comprehensive accessories



Of easy access Stand-alone installations doors open 180°. Side-by-side installations fors open 90°.



Locked safely
3-point espagnolette double-locking system.



Distribution cabinets, flat design

▶ Technical data, 394
Dimensional drawing, page 395
Accessories from page 387



93191-0000

Distribution cabinet, flat design, including assembled base

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Single-locking
- Innovative locking system allowing the utilisation of the entire installation depth of 190 mm

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet 154, flat design, height 1500 mm, one door	1500	480	220	1	KVS 154 H1500 ST L FB	**93191-0000**
Distribution cabinet 154, flat design, height 1500 mm, one door, with PVC mounting panel 418 x 600 x 6 mm (H x W x D)	1500	480	220	1	KVS 154 H1500 ST MP FB	**93191-0201**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet 154 Flat = 1 bag

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Distribution cabinets, size 00

▶ Technical data, 396
Dimensional drawing, page 397
Accessories from page 386



93100-0000

Distribution cabinet, size 00, height 845 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

Note:
Available as in-ground base only.

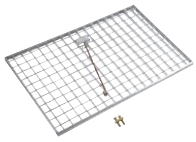
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 00, height 845 mm, one door, empty enclosure	845	480	315	1	KVS 00 H845 ST L	**93100-0000**
Distribution cabinet, size 00, height 845 mm, one door, with PVC mounting panel 750 x 358 x 6 mm (H x W x D)	845	480	315	1	KVS 00 H845 ST MP	**93100-0201**
Distribution cabinet, size 00, height 845 mm, one door, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 4 installation units	845	480	315	1	KVS 00 H845 ST SS	**93100-0302**



93835-0010

Base for distribution cabinets, size 00

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 00 / 900 mm (kit)	900	480	315	1	Eingrabsockel Gr. 00, 900 mm	**93835-0010**



93825-0269

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 00	1	Bodenrost-Stahlblech Set für KVS Gr. 00	**93825-0269**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet size 00 = 2 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 00, length 386 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (4 x M12), PEN/N bar 30 x 5 mm (5 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 00	**93820-8570**

Distribution cabinets in accordance with DIN EN 61439-5, size 0

▶ Technical data, 396
Dimensional drawing, page 398
Accessories from page 386



93101-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 0, height 845 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Dolour: RAL 7035
- Double-locking, one lock cylinder installed

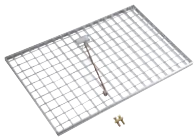
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 0, height 845 mm, one door, empty enclosure	845	585	315	1	KVS 0 H845 ST L	**93101-0000**
Distribution cabinet, size 0, height 845 mm, one door, with PVC mounting panel 750 x 500 x 6 mm (H x W x D)	845	585	315	1	KVS 0 H845 ST MP	**93101-0201**
Distribution cabinet, size 0, height 845 mm, one door, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 5 installation units	845	585	315	1	KVS 0 H845 ST SS	**93101-0302**



93810-1010

Base for distribution cabinets, size 0

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 0 / 900 mm (kit)	900	585	315	1	Eingrabsockel Gr. 0 / 900 mm	**93810-1010**
In-ground base, size 0 / 1125 mm, flood-proofing (kit)	1125	585	315	1	Eingrabsockel Gr. 0 / 1125 mm	**93835-1020**
Floor-mounted base, size 0 / 250 mm	250	585	315	1	Bodenaufbausockel Gr. 0 / 250 mm	**93835-1030**



93825-0270

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 0	1	Bodenrost-Stahlblech Set für KVS Gr. 0	**93825-0270**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet size 00 = 2 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 0, length 491 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (5 x M12), PEN/N bar 30 x 5 mm (6 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 0	**93820-8579**

Distribution cabinets in accordance with DIN EN 61439-5, size 0

▶ Technical data, 396
Dimensional drawing, page 398
Accessories from page 386



93102-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 0, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Dolour: RAL 7035
- Double-locking, one lock cylinder installed

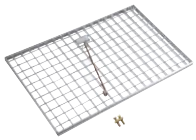
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 0, height 1005 mm, one door, empty enclosure	1005	585	315	1	KVS 0 H1005 ST L	**93102-0000**
Distribution cabinet, size 0, height 1005 mm, one door, with PVC mounting panel 895 x 491 x 6 mm (H x W x D)	1005	585	315	1	KVS 0 H1005 ST MP	**93102-0201**
Distribution cabinet, size 0, height 1005 mm, one door, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 5 installation units	1005	585	315	1	KVS 0 H1005 ST SS	**93102-0302**



93810-1010

Base for distribution cabinets, size 0

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 0 / 900 mm (kit)	900	585	315	1	Eingrabsockel Gr. 0 / 900 mm	**93810-1010**
In-ground base, size 0 / 1125 mm, flood-proofing (kit)	1125	585	315	1	Eingrabsockel Gr. 0 / 1125 mm	**93835-1020**
Floor-mounted base, size 0 / 250 mm	250	585	315	1	Bodenaufbausockel Gr. 0 / 250 mm	**93835-1030**
Wall bracket, size 0 with cover plate, 4 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	585	315	1	Wandkonsole Gr. 0	**93835-1040**



93825-0270

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 0	1	Bodenrost-Stahlblech Set für KVS Gr. 0	**93825-0270**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet size 00 = 2 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 0, length 491 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (5 x M12), PEN/N bar 30 x 5 mm (6 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 0	**93820-8579**

Distribution cabinets in accordance with DIN EN 61439-5, size 0

▶ Technical data, 396
Dimensional drawing, page 398
Accessories from page 386



93103-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 0, height 1355 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

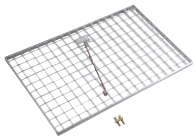
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 0, height 1355 mm, one door, empty enclosure	1355	585	315	1	KVS 0 H1355 ST L	**93103-0000**
Distribution cabinet, size 0, height 1355 mm, one door, with PVC mounting panel 1245 x 491 x 6 mm (H x W x D)	1355	585	315	1	KVS 0 H1355 ST MP	**93103-0201**



93810-1010

Base for distribution cabinets, size 0

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 0 / 900 mm (kit)	900	585	315	1	Eingrabsockel Gr. 0 / 900 mm	**93810-1010**
In-ground base, size 0 / 1125 mm, flood-proofing (kit)	1125	585	315	1	Eingrabsockel Gr. 0 / 1125 mm	**93835-1020**
Floor-mounted base, size 0 / 250 mm	250	585	315	1	Bodenaufbausockel Gr. 0 / 250 mm	**93835-1030**



93825-0270

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 0	1	Bodenrost-Stahlblech Set für KVS Gr. 0	**93825-0270**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 0 = 2 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 0, length 491 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (5 x M12), PEN/N bar 30 x 5 mm (6 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 0	**93820-8579**

Distribution cabinets in accordance with DIN EN 61439-5, size 1

▶ Technical data, 396
Dimensional drawing, page 400
Accessories from page 386



93110-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 1, height 845 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

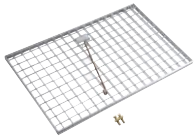
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 1, height 845 mm, one door, empty enclosure	845	780	315	1	KVS 1 H845 ST L	**93110-0000**
Distribution cabinet, size 1, height 845 mm, one door, with mounting panel PVC 750 x 658 x 6 mm (H x W x D)	845	780	315	1	KVS 1 H845 ST MP	**93110-0201**
Distribution cabinet, size 1, height 845 mm, one door, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	845	780	315	1	KVS 1 H845 ST SS	**93110-0302**
Distribution cabinet, size 1, height 845 mm, two doors, with mounting panel PVC 750 x 658 x 6 mm (H x W x D), asymmetric doors	845	780	315	1	KVS 1 H845 ST MP AT	**93110-0401**



93835-0110

Base for distribution cabinets, size 1

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 1 / 900 mm (kit)	900	780	315	1	Eingrabsockel Gr. 1 / 900 mm	**93835-0110**
In-ground base, size 1 / 1125 mm, flood-proofing (kit)	1125	780	315	1	Eingrabsockel Gr. 1 / 1125 mm	**93835-0120**
Floor-mounted base, size 1 / 250 mm	250	780	315	1	Bodenaufbausockel Gr. 1 / 250 mm	**93835-0130**



93825-0271

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 1	1	Bodenrost-Stahlblech Set für KVS Gr. 1	**93825-0271**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 1 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 1, length 686 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (7 x M12), PEN/N bar 30 x 5 mm (8 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 01	**93820-8580**

Distribution cabinets in accordance with DIN EN 61439-5, size 1

▶ Technical data, 396
Dimensional drawing, page 400
Accessories from page 386



93112-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 1, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

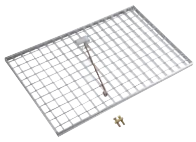
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 1, height 1005 mm, one door, empty enclosure	1005	780	315	1	KVS 1 H1005 ST L	**93112-0000**
Distribution cabinet, size 1, height 1005 mm, one door, with mounting panel PVC 895 x 686 x 6 mm (H x W x D)	1005	780	315	1	KVS 1 H1005 ST MP	**93112-0201**
Distribution cabinet, size 1, height 1005 mm, one door, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	1005	780	315	1	KVS 1 H1005 ST SS	**93111-0302**
Distribution cabinet, size 1, height 1005 mm, two doors, with mounting panel PVC 895 x 686 x 6 mm (H x W x D), asymmetric doors	1005	780	315	1	KVS 1 H1005 ST MP AT	**93112-0401**



93835-0110

Base for distribution cabinets, size 1

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 1 / 900 mm (kit)	900	780	315	1	Eingrabsockel Gr. 1 / 900 mm	**93835-0110**
In-ground base, size 1 / 1125 mm, flood-proofing (kit)	1125	780	315	1	Eingrabsockel Gr. 1 / 1125 mm	**93835-0120**
Floor-mounted base, size 1 / 250 mm	250	780	315	1	Bodenaufbausockel Gr. 1 / 250 mm	**93835-0130**
Wall bracket, size 1 with cover plate, 6 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	780	315	1	Wandkonsole Gr. 1	**93835-0140**



93825-0271

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 1	1	Bodenrost-Stahlblech Set für KVS Gr. 1	**93825-0271**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 1 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 1, length 686 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (7 x M12), PEN/N bar 30 x 5 mm (8 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 01	**93820-8580**

Distribution cabinets in accordance with DIN EN 61439-5, size 1

▶ Technical data, 396
Dimensional drawing, page 400
Accessories from page 386



93113-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 1, height 1355 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

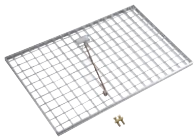
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 1, height 1355 mm, one door, empty enclosure	1355	780	315	1	KVS 1 H1355 ST L	**93113-0000**
Distribution cabinet, size 1, height 1355 mm, one door, with mounting panel PVC 1245 x 686 x 6 mm (H x W x D)	1355	780	315	1	KVS 1 H1355 ST MP	**93113-0201**



93835-0110

Base for distribution cabinets, size 1

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 1 / 900 mm (kit)	900	780	315	1	Eingrabsockel Gr. 1 / 900 mm	**93835-0110**
In-ground base, size 1 / 1125 mm, flood-proofing (kit)	1125	780	315	1	Eingrabsockel Gr. 1 / 1125 mm	**93835-0120**
Floor-mounted base, size 1 / 250 mm	250	780	315	1	Bodenaufbausockel Gr. 1 / 250 mm	**93835-0130**



93825-0271

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 1	1	Bodenrost-Stahlblech Set für KVS Gr. 1	**93825-0271**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 1 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 1, length 686 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (7 x M12), PEN/N bar 30 x 5 mm (8 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 01	**93820-8580**

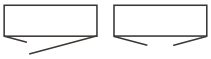
Distribution cabinets in accordance with DIN EN 61439-5, size 2

▶ Technical data, 396
Dimensional drawing, page 402
Accessories from page 386



93120-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 2, height 845 mm



Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Single-locking, one lock cylinder installed

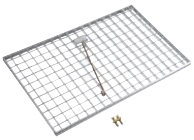
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 2, height 845 mm, one door, empty enclosure	845	1110	315	1	KVS 2 H845 ST L	**93120-0000**
Distribution cabinet, size 2, height 845 mm, one door, with mounting panel PVC 750 x 988 x 6 mm (H x W x D)	845	1110	315	1	KVS 2 H845 ST MP	**93120-0201**
Distribution cabinet, size 2, height 845 mm, one door, with busbar system (4-conductor E-Cu 30 x 8 mm), fits max. 10 installation units	845	1110	315	1	KVS 2 H845 ST SS	**93120-0302**
Distribution cabinet, size 2, height 845 mm, two doors, with mounting panel PVC 750 x 988 x 6 mm (H x W x D), asymmetric doors	845	1110	315	1	KVS 2 H845 ST MP asy. Türen	**93120-0401**



93835-0210

Base for distribution cabinets, size 2

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 2 / 900 mm (kit)	900	1110	315	1	Eingrabsockel Gr. 2 / 900 mm	**93835-0210**
In-ground base, size 2 / 1125 mm, flood-proofing (kit)	1125	1110	315	1	Eingrabsockel Gr. 2 / 1125 mm	**93835-0220**
Floor-mounted base, size 2 / 250 mm	250	1110	315	1	Bodenaufbausockel Gr. 2 / 250 mm	**93835-0230**



93825-0272

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 2	1	Bodenrost-Stahlblech Set für KVS Gr. 2	**93825-0272**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 2 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 2, length 1016 mm, E-Cu 3 x external-conductor busbar 30 x 8 mm (10 x M12), PEN/N bar 30 x 6 mm (11 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 02	**93820-8581**

Distribution cabinets in accordance with DIN EN 61439-5, size 2

▶ Technical data, 396
Dimensional drawing, page 402
Accessories from page 386



93122-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 2, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

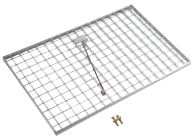
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 2, height 1005 mm, two doors, empty enclosure	1005	1110	315	1	KVS 2 H1005 ST L	**93122-0000**
Distribution cabinet, size 2, height 1005 mm, two doors, with PVC mounting panel 895 x 1016 x 6 mm (H x W x D)	1005	1110	315	1	KVS 2 H1005 ST MP	**93122-0201**
Distribution cabinet, size 2, height 1005 mm, two doors, with busbar system (4-conductor E-Cu 30 x 8 mm), fits max. 10 installation units	1005	1110	315	1	KVS 2 H1005 ST SS	**93121-0302**
Distribution cabinet, size 2, height 1005 mm, two doors, with PVC mounting panel 895 x 1016 x 6 mm (H x W x D), asymmetric doors	1005	1110	315	1	KVS 2 H1005 ST MP asy. Türen	**93122-0401**



93835-0210

Base for distribution cabinets, size 2

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 2 / 900 mm (kit)	900	1110	315	1	Eingrabsockel Gr. 2 / 900 mm	**93835-0210**
In-ground base, size 2 / 1125 mm, flood-proofing (kit)	1125	1110	315	1	Eingrabsockel Gr. 2 / 1125 mm	**93835-0220**
Floor-mounted base, size 2 / 250 mm	250	1110	315	1	Bodenaufbausockel Gr. 2 / 250 mm	**93835-0230**
Wall bracket, size 2 with cover plate, 9 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	1110	315	1	Wandkonsole Gr. 2	**93835-0240**



93825-0272

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 2	1	Bodenrost-Stahlblech Set für KVS Gr. 2	**93825-0272**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 2 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 2, length 1016 mm, E-Cu 3 x external-conductor busbar 30 x 8 mm (10 x M12), PEN/N bar 30 x 6 mm (11 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 02	**93820-8581**

Distribution cabinets in accordance with DIN EN 61439-5, size 2

▶ Technical data, 396
Dimensional drawing, page 403
Accessories from page 386



93123-0000

Distribution cabinet in accordance with DIN EN 61439-5, size 2, height 1355 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed

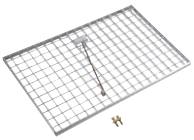
Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 2, height 1355 mm, two doors, empty enclosure	1355	1110	315	1	KVS 2 H1355 ST L	**93123-0000**
Distribution cabinet, size 2, height 1355 mm, two doors, with PVC mounting panel 1245 x 988 x 6 mm (H x W x D)	1355	1110	315	1	KVS 2 H1355 ST MP	**93123-0201**
Distribution cabinet, size 2, height 1355 mm, two doors, with PVC mounting panel 1245 x 988 x 6 mm (H x W x D), asymmetric doors	1355	1110	315	1	KVS 2 H1355 ST MP asy. Türen	**93123-0401**



93835-0210

Base for distribution cabinets, size 2

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 2 / 900 mm (kit)	900	1110	315	1	Eingrabsockel Gr. 2 / 900 mm	**93835-0210**
In-ground base, size 2 / 1125 mm, flood-proofing (kit)	1125	1110	315	1	Eingrabsockel Gr. 2 / 1125 mm	**93835-0220**
Floor-mounted base, size 2 / 250 mm	250	1110	315	1	Bodenaufbausockel Gr. 2 / 250 mm	**93835-0230**



93825-0272

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 2	1	Bodenrost-Stahlblech Set für KVS Gr. 2	**93825-0272**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 2 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 2, length 1016 mm, E-Cu 3 x external-conductor busbar 30 x 8 mm (10 x M12), PEN/N bar 30 x 6 mm (11 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 02	**93820-8581**

Fairground and market square distribution cabinets, size 0, in accordance with DIN EN 61439-5, E DIN 61439-7

▶ Technical data, 396
Dimensional drawing, page 400
Accessories from page 386



93102-0332

Fairground distribution cabinets in accordance with DIN EN 61439-5, size 0, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed
- Performance of services on request

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 0, fairground, height 1005 mm, one door, with busbar system (5-conductor E-Cu 30 x 6 mm), fits max. 5 installation units	1005	585	315	1	KVS 00 H 1005 ST SS FP	**93102-0332**
Distribution cabinet, size 0, fairground, height 1430 mm, one door, with busbar system (5-conductor E-Cu 30 x 6 mm), fits max. 5 installation units, 4 cable inlets, mobile variant with pedestal	1430	585	315	1	KVS 0 H1005 ST SS MO	**93102-0342**



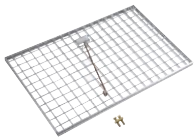
93835-1050

Base for fairground distribution cabinets, size 0

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, fairground, size 0, with 4 cable inlets	900	585	315	1	Eingrabsockel Gr. 0, FP - 4 Kabeleinf.	**93835-1050**
Floor-mounted base, fairground, size 0, with 4 cable inlets	250	585	315	1	Bodenaufbausockel Gr. 0 FP, 4 Kabelf.	**93835-1055**

Cover for cable outlet for bases for fairground distribution cabinets, size 0

Designation	PU	Product designation	Order no.
Cover for cable outlet for fairground distribution cabinet, size 0	1	KVS 0 Abdeckung FP	**93820-7900**



93825-0270

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 0	1	Bodenrost-Stahlblech Set für KVS Gr. 0	**93825-0270**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 0 = 2 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Fairground and market square distribution cabinets, size 1, in accordance with DIN EN 61439-5, E DIN EN 61439-7

▶ Technical data, 396
Dimensional drawing, page 400
Accessories from page 386



93112-0332

Fairground distribution cabinet in accordance with DIN EN 61439-5, size 1, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed
- Performance of services on request

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 1, fairground, height 1005 mm, one door, with busbar system (5-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	1005	780	315	1	KVS 1 H1005 ST SS	**93112-0332**
Distribution cabinet, size 1, fairground, height 1430 mm, one door, with busbar system (5-conductor E-Cu 30 x 6 mm), fits max. 7 installation units, 6 cable inlets, mobile variant with pedestal	1430	780	315	1	KVS 1 H1005 ST SS FP MO	**93112-0342**



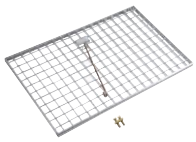
93835-0150

Base for fairground distribution cabinets, size 1

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, fairground, size 1, with 6 cable inlets	900	780	315	1	Eingrabsockel Gr. 1, FP - 6 Kabeleinf.	**93835-0150**
Floor-mounted base, fairground, size 1, with 6 cable inlets	250	780	315	1	Bodenaufbausockel Gr. 1 FP, 6 Kabelf.	**93835-0155**

Cover for cable outlet for bases for fairground distribution cabinets, size 1

Designation	PU	Product designation	Order no.
Cover for cable outlet, size 1, fairground	1	KVS-Abdeck. Kabelausl. Gr. 1 FP	**93820-7901**



93825-0271

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 1	1	Bodenrost-Stahlblech Set für KVS Gr. 1	**93825-0271**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 1 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Fairground and market square distribution cabinets, size 2, in accordance with DIN EN 61439-5, E DIN EN 61439-7

▶ Technical data, 396
Dimensional drawing, page 402
Accessories from page 386



93122-0332

Fairground distribution cabinet in accordance with DIN EN 61439-5, size 2, height 1005 mm

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Double-locking, one lock cylinder installed
- Performance of services on request

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution cabinet, size 2, fairground, height 1005 mm, two doors, with busbar system (5-conductor E-Cu 30 x 8 mm), fits max. 10 installation units	1005	1110	315	1	KVS 2 H1005 ST SS FP	**93122-0332**
Distribution cabinet, size 2, fairground, height 1430 mm, two doors, with busbar system (5-conductor E-Cu 30 x 8 mm), fits max. 10 installation units, 6 cable inlets, mobile variant with pedestal	1430	1110	315	1	KVS 2 H1005 ST SS FP MO	**93122-0342**



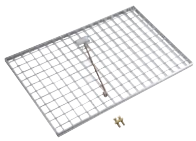
93835-0250

Base for fairground distribution cabinets, size 2

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, fairground, size 2, with 9 cable inlets	900	1110	315	1	Eingrabsockel Gr. 2, FP - 9 Kabeleinf.	**93835-0250**
Floor-mounted base, fairground, size 2, with 9 cable inlets	250	1110	315	1	Bodenaufbausockel Gr. 9 FP, 9 Kabelf.	**93835-0255**

Cover for cable outlet for bases for fairground distribution cabinets, size 2

Designation	PU	Product designation	Order no.
Cover for cable outlet, size 2, fairground	1	KVS-Abdeck. Kabelausl. Gr. 2 FP	**93820-7902**



93825-0272

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for distribution cabinet, size 2	1	Bodenrost-Stahlblech Set für KVS Gr. 2	**93825-0272**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for distribution cabinet, size 2 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Distribution pillars

▶ Technical data, 404, 406
Dimensional drawing, page 405, 407
Accessories from page 386



93260-0010

Distribution pillar, height 1420 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Plug-in door
- Single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 142, height 1420 mm, flat design	1420	320	225	1	VS 142 ST L FB	**93260-0010**
Distribution pillar 142, height 1420 mm, flat design, with mounting panel PVC 600 x 276 x 6 mm (H x W x D)	1420	320	225	1	VS 142 ST MP FB	**93260-0211**
Distribution pillar 142, height 1420 mm, flat design, with busbar system (4-conductor E-Cu 30 x 5 mm), max. 2 installation units	1420	320	225	1	VS 142 ST SS FB	**93260-0312**



93262-0010

Distribution pillar, height 1560 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 152, height 1560 mm	1560	361	277	1	VS 152 ST L	**93262-0010**
Distribution pillar 152, height 1560 mm, flat design, with mounting panel PVC 700 x 278 x 6 mm (H x W x D)	1560	361	277	1	VS 152 ST MP FB	**93262-0211**
Distribution pillar 152, height 1560 mm, flat design, with busbar system (4-conductor E-Cu 30 x 6 mm), max. 2 installation units	1560	361	277	1	VS 152 ST SS FB	**93262-0312**



93270-0010

Distribution pillar, height 1560 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 155, height 1560 mm	1560	583	277	1	VS 155 ST L	**93270-0010**
Distribution pillar 155, height 1560 mm, with PVC mounting panel 700 x 500 x 6 mm (H x W x D)	1560	583	277	1	VS 155 ST MP	**93270-0211**
Distribution pillar 155, height 1560 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 4 installation units	1560	583	277	1	VS 155 ST SS	**93270-0312**

Distribution pillars

▶ Technical data, 404, 406
Dimensional drawing, page 405, 407
Accessories from page 386



93280-0010

Distribution pillar, height 1560 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 157, height 1560 mm	1560	839	277	1	VS 157 ST L	**93280-0010**
Distribution pillar 157, height 1560 mm, with PVC mounting panel 755.5 x 756 x 6 mm (H x W x D)	1560	839	277	1	VS 157 ST MP	**93280-0211**
Distribution pillar 157, height 1560 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	1560	839	277	1	VS 157 ST SS	**93280-0312**



93261-0010

Distribution pillar, height 1595 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Plug-in door
- Single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 162, height 1595 mm, flat design	1595	320	225	1	VS 162 ST L FB	**93261-0010**
Distribution pillar 162, height 1595 mm, flat design, with mounting panel PVC 800 x 276 x 6 mm (H x W x D)	1595	320	225	1	VS 162 ST MP FB	**93261-0211**
Distribution pillar 162, height 1595 mm, flat design, with busbar system (4-conductor E-Cu 30 x 5 mm), max. 2 installation units	1595	320	225	1	VS 162 ST SS FB	**93261-0312**



93263-0010

Distribution pillar, height 1710 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 172, height 1710 mm	1710	361	277	1	VS 172 ST L	**93263-0010**
Distribution pillar 172, height 1710 mm, with PVC mounting panel 850 x 278 x 6 mm (H x W x D)	1710	361	277	1	VS 172 ST MP	**93263-0211**
Distribution pillar 172, height 1710 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 2 installation units	1710	361	277	1	VS 172 ST SS	**93263-0312**

Distribution pillars

▶ Technical data, 406
Dimensional drawing, page 407
Accessories from page 386



93271-0010

Distribution pillar, height 1710 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 175, height 1710 mm	1710	583	277	1	VS 175 ST L	**93271-0010**
Distribution pillar 175, height 1710 mm, with PVC mounting panel 850 x 500 x 6 mm (H x W x D)	1710	583	277	1	VS 175 ST MP	**93271-0211**
Distribution pillar 175, height 1710 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 4 installation units	1710	583	277	1	VS 175 ST SS	**93271-0312**



93281-0010

Distribution pillar, height 1710 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 177, height 1710 mm	1710	839	277	1	VS 177 ST L	**93281-0010**
Distribution pillar 177, height 1710 mm, with PVC mounting panel 850 x 756 x 6 mm (H x W x D)	1710	839	277	1	VS 177 ST MP	**93281-0211**
Distribution pillar 177, height 1710 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	1710	839	277	1	VS 177 ST SS	**93281-0312**



93264-0010

Distribution pillar, height 2010 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 202, height 2010 mm	2010	361	277	1	VS 202 ST L	**93264-0010**
Distribution pillar 202, height 2010 mm, with PVC mounting panel 1000 x 278 x 6 mm (H x W x D)	2010	361	277	1	VS 202 ST MP	**93264-0211**
Distribution pillar 202, height 2010 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 2 installation units	2010	361	277	1	VS 202 ST SS	**93264-0312**

Distribution pillars

▶ Technical data, 406
Dimensional drawing, page 407
Accessories from page 386



93272-0010

Distribution pillar, height 2010 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 205, height 2010 mm	2010	583	277	1	VS 205 ST L	**93272-0010**
Distribution pillar 205, height 2010 mm, with PVC mounting panel 1000 x 500 x 6 mm (H x W x D)	2010	583	277	1	VS 205 ST MP	**93272-0211**
Distribution pillar 205, height 2010 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 4 installation units	2010	583	277	1	VS 205 ST SS	**93272-0312**



93282-0010

Distribution pillar, height 2010 mm, degree of protection IP44

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 207, height 2010 mm	2010	839	277	1	VS 207 ST L	**93282-0010**
Distribution pillar 207, height 2010 mm, with PVC mounting panel 1000 x 756 x 6 mm (H x W x D)	2010	839	277	1	VS 207 ST MP	**93282-0211**
Distribution pillar 207, height 2010 mm, with busbar system (4-conductor E-Cu 30 x 6 mm), fits max. 7 installation units	2010	839	277	1	VS 207 ST SS	**93282-0312**

Accessories for distribution cabinets
Accessories for assembly



93835-0010

Base for distribution cabinets, size 00 and 0

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 00 / 900 mm (kit)	900	480	315	1	Eingrabsockel Gr. 00, 900 mm	**93835-0010**
In-ground base, size 0 / 900 mm (kit)	900	585	315	1	Eingrabsockel Gr. 0 / 900 mm	**93810-1010**
In-ground base, size 0 / 1125 mm, flood-proofing (kit)	1125	585	315	1	Eingrabsockel Gr. 0 / 1125 mm	**93835-1020**
Floor-mounted base, size 0 / 250 mm	250	585	315	1	Bodenaufbausockel Gr. 0 / 250 mm	**93835-1030**
Wall bracket, size 0 with cover plate, 4 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	585	315	1	Wandkonsole Gr. 0	**93835-1040**
In-ground base, fairground, size 0, with 4 cable inlets	900	585	315	1	Eingrabsockel Gr. 0, FP - 4 Kabeleinf.	**93835-1050**
Floor-mounted base, fairground, size 0, with 4 cable inlets	250	585	315	1	Bodenaufbausockel Gr. 0 FP, 4 Kabelf.	**93835-1055**



93835-0110

Base for distribution cabinets, size 1

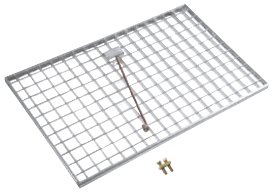
Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 1 / 900 mm (kit)	900	780	315	1	Eingrabsockel Gr. 1 / 900 mm	**93835-0110**
In-ground base, size 1 / 1125 mm, flood-proofing (kit)	1125	780	315	1	Eingrabsockel Gr. 1 / 1125 mm	**93835-0120**
Floor-mounted base, size 1 / 250 mm	250	780	315	1	Bodenaufbausockel Gr. 1 / 250 mm	**93835-0130**
Wall bracket, size 1 with cover plate, 6 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	780	315	1	Wandkonsole Gr. 1	**93835-0140**
In-ground base, fairground, size 1, with 6 cable inlets	900	780	315	1	Eingrabsockel Gr. 1, FP - 6 Kabeleinf.	**93835-0150**
Floor-mounted base, fairground, size 1, with 6 cable inlets	250	780	315	1	Bodenaufbausockel Gr. 1 FP, 6 Kabelf.	**93835-0155**



93835-0210

Base for distribution cabinets, size 2

Designation	Height	Width	Depth	PU	Product designation	Order no.
In-ground base, size 2 / 900 mm (kit)	900	1110	315	1	Eingrabsockel Gr. 2 / 900 mm	**93835-0210**
In-ground base, size 2 / 1125 mm, flood-proofing (kit)	1125	1110	315	1	Eingrabsockel Gr. 2 / 1125 mm	**93835-0220**
Floor-mounted base, size 2 / 250 mm	250	1110	315	1	Bodenaufbausockel Gr. 2 / 250 mm	**93835-0230**
Wall bracket, size 2 with cover plate, 9 x drop-in stepped nipple grommets for cables of 50 - 185 mm²	640	1110	315	1	Wandkonsole Gr. 2	**93835-0240**
In-ground base, fairground, size 2, with 9 cable inlets	900	1110	315	1	Eingrabsockel Gr. 2, FP - 9 Kabeleinf.	**93835-0250**
Floor-mounted base, fairground, size 2, with 9 cable inlets	250	1110	315	1	Bodenaufbausockel Gr. 9 FP, 9 Kabelf.	**93835-0255**



93825-9756

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit VS 142/162	1	Bodenrost-Stahlblech Set für VS 142	**93825-0266**
Steel floor grid kit for distribution cabinet, size 00	1	Bodenrost-Stahlblech Set für KVS Gr. 00	**93825-0269**
Steel floor grid kit for distribution cabinet, size 0	1	Bodenrost-Stahlblech Set für KVS Gr. 0	**93825-0270**
Steel floor grid kit for distribution cabinet, size 1	1	Bodenrost-Stahlblech Set für KVS Gr. 1	**93825-0271**
Steel floor grid kit for distribution cabinet, size 2	1	Bodenrost-Stahlblech Set für KVS Gr. 2	**93825-0272**
Steel floor grid kit VS 152/172/202	1	Bodenrost-Stahlblech Set für VS 152	**93825-0273**
Steel floor grid kit VS 155/175/205	1	Bodenrost-Stahlblech Set für VS 155	**93825-0274**
Steel floor grid kit VS 157/177/207	1	Bodenrost-Stahlblech Set für VS 157	**93825-0275**



93820-5075

Base filler

Features:
Filler material to reduce the accumulation of condensed water in enclosures located outdoors.

distribution cabinet 154 Flat = 1 bag
Distribution cabinet, size 00 and 0 = 2 bags
Distribution cabinet, size 1 and 2 = 3 bags

Distribution pillar
115, 135, 142, 152, 153, 154, 162, 172, 173, 202 = 1 bag
Distribution pillar 155, 175, 176, 205 = 2 bags
Distribution pillar 157, 177, 207 = 3 bags

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Accessories for assembly

Busbar kit for distribution cabinets

Features:
- Tin-plated busbar surface
- Width 30 mm
- Clinch nut M12 fitted symmetrically in 100-mm grid
- Insulator bracket with mounting material

Designation	PU	Product designation	Order no.
Busbar kit, size 00, length 386 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (4 x M12), PEN/N bar 30 x 5 mm (5 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 00	**93820-8570**
Busbar kit, size 0, length 491 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (5 x M12), PEN/N bar 30 x 5 mm (6 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 0	**93820-8579**
Busbar kit, size 1, length 686 mm, E-Cu 3 x external-conductor busbar 30 x 6 mm (7 x M12), PEN/N bar 30 x 5 mm (8 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 01	**93820-8580**
Busbar kit, size 2, length 1016 mm, E-Cu 3 x external-conductor busbar 30 x 8 mm (10 x M12), PEN/N bar 30 x 6 mm (11 x M12), insulator bracket and mounting material	1	Sammelschienen-Bausatz KVS Gr. 02	**93820-8581**

Terminals with terminal bolt M12 x 55

Features:
- 50 mm² re / 35 - 70 mm² rm / 50 - 185 mm² se / 35 - 150 mm² sm
- Torque 40 Nm
- For further terminal variants **see EFEN catalogue, NZ accessories**

Designation	PU	Product designation	Order no.
Terminal clamp with terminal bolt M12 x 55	1	Direkt-Anschlussklemme mit M12 x 55	**Auf Anfrage**
Terminal double clamp with terminal bolt M12 x 55	1	Direkt-Doppelanschlussklemme mit M12 x 55	**Auf Anfrage**



93820-5924

Distribution cabinet lighting 15 W

Features:
- Cannot be used in flat-design enclosures.

Designation	PU	Product designation	Order no.
Distribution cabinet lighting with switch and Schuko socket, 10 A	1	Schaltschrankbeleuchtung 10A	**93820-5924**



93820-0138

Safety cover

Features:
- Various accessories to increase protection against contact

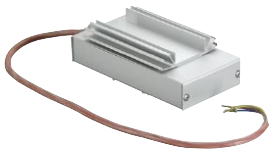
Designation	PU	Product designation	Order no.
Safety cover for busbars with symmetric bores, 102 x 560 mm (W x H) for distribution cabinets and pillars	1	KVS/VS Berührungsschutz SS Sym. Lo.	**93820-7930**
Safety cover for busbars used with V-type feed clamps 100 x 560 mm (W x H) for distribution cabinets and pillars	1	KVS/VS Berührungsschutz SS V-Kl.	**93820-0138**
Cover for lateral construction-site connection Ø 55 mm	1	VS-Abdeckung f. Baustellenanschl. 55 mm²	**93820-9626**
Retrofit kit, size 00 to increase protection against contact of distribution cabinets from IP43 to IP44	1	Nachrüstsatz KVS Gr. 00 IP44	**93808-0000**
Retrofit kit, size 0 to increase protection against contact of distribution cabinets from IP43 to IP44	1	Nachrüstsatz KVS Gr. 0 IP44	**93808-0010**
Retrofit kit, size 1 to increase protection against contact of distribution cabinets from IP43 to IP44	1	Nachrüstsatz KVS Gr. 1 IP44	**93808-0020**
Retrofit kit, size 2 to increase protection against contact of distribution cabinets from IP43 to IP44	1	Nachrüstsatz KVS Gr. 2 IP44	**93808-0030**

For NH fuse-rails and NH fuse-switches refer to the EFEN catalogue.
Performance of services on request

Accessories for distribution cabinets and distribution pillars



93820-0994



93820-5517

Accessories for assembly

Designation	PU	Product designation	Order no.
Double-locking, complete without lock cylinder, standard	1	Doppelschließung, komplett ohne Profilhalbzylinder	**93820-8842**
Locking system, lock cylinder 40 mm, with 2 keys	1	Profil-Halbzylinder 40mm, 2 Schl.	**93820-0994**
Circuit diagram pocket, DIN A4, adhesive, RAL 7035	1	Schaltplantasche DIN A4	**93820-5693**
Circuit diagram pocket, DIN A5, adhesive, RAL 7035	1	Schaltplantasche DIN A5	**93820-5593**
Cabinet heating 33W, thermostatically controlled	1	Schrankheizung 33W	**93820-5517**
Door opening limiter for distribution cabinets, size 00 - 2, limits door opening angle to approx. 110°	1	KVS Türbegrenzer 110°	**93820-9846**
Auxiliary fuse holder for NH fuse-links 3 x NH2	1	KVS/VS R.-Sicherungshalter 3 x NH2	**93820-5038**

Mounting panels for distribution pillars



93840-1420

Mounting panels for distribution pillars

Features:
- Mounting panels made of PVC
- Selection table, page 34

Designation	PU	Product designation	Order no.
Mounting panel for VS 142 PVC 600 x 276 x 6	1	VS 142 Montageplatte 600x276x6	**93840-1420**
Mounting panel for VS 162 PVC 800 x 276 x 6	1	VS 162 Montageplatte 800x276x6	**93840-1620**
Mounting panel for VS 152 PVC 700 x 278 x 6	1	VS 152 Montageplatte 700x278x6	**93840-1520**
Mounting panel for VS 155 PVC 700 x 500 x 6	1	VS 155 Montageplatte 700x500x6	**93840-1550**
Mounting panel for VS 157 PVC 700 x 756 x 6	1	VS 157 Montageplatte 700x756x6	**93840-1570**
Mounting panel for VS 172 PVC 850 x 278 x 6	1	VS 172 Montageplatte 850x278x6	**93840-1720**
Mounting panel for VS 175 PVC 850 x 500 x 6	1	VS 175 Montageplatte 850x500x6	**93840-1750**
Mounting panel for VS 177 PVC 850 x 756 x 6	1	VS 177 Montageplatte 850x756x6	**93840-1770**
Mounting panel for VS 202 PVC 1000 x 278 x 6	1	VS 202 Montageplatte 1000x278x6	**93840-2020**
Mounting panel for VS 205 PVC 1000 x 500 x 6	1	VS 205 Montageplatte 1000x500x6	**93840-2050**
Mounting panel for VS 207 PVC 1000 x 756 x 6	1	VS 207 Montageplatte1000x756x6	**93840-2070**



93850-1540

Mounting kits for distribution pillars

Designation	PU	Product designation	Order no.
Mounting kit for VS 142/162 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS 142/162	**93850-1420**
Mounting kit VS 162 with membrane flange	1	Befestigungssatz mit Membranflansch VS 162	**93850-0051**
Mounting kit for VS 155/175 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS 155/175	**93850-1540**
Mounting kit for VS 157/177 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS 157/177	**93850-1570**
Mounting kit for VS 202 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS 202	**93850-2020**
Mounting kit for VS 205 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS 205	**93850-2040**
Mounting kit for VS 207 with membrane flange in inlet	1	Befestigungssatz mit Membranflansch VS207	**93850-2070**

▶ Technical data, 392
Dimensional drawing, page 392



Application example

Installation fields for distribution pillars

Designation	Height	Width	Depth	PU	Product designation	Order no.
Installation field 142/162 for rail-mounted devices, width 250 mm, rail spacing 150 mm	600	250	0	1	EBF VS 142/166 REG48 250 mm	**93845-0419**
Installation field 142/162 for rail-mounted devices and terminal, width 250 mm, rail spacing 150 mm	600	250	0	1	EBF VS 142/166 REG48/KL 250 mm	**93845-0413**
Installation field for mounting panel 142/162 on underground angle, width 250 mm	600	250	0	1	EBF VS 142/162 Montagepl. 250 mm	**93845-0410**
Installation field 142/162 for rail-mounted devices, terminals and 2 x NH circuit breaker, size 00, width 250 mm, rail spacing 150 mm	600	250	0	1	EBF VS 142/166 REG48/KL/ NT 2 x Gr. 00 250 mm	**93845-0411**
Installation field 142/162 for NH circuit breaker, size 1, width 250 mm, rail spacing 150 mm	600	250	0	1	EBF VS 142/166 NT 1 x Gr. 1 250 mm	**93845-0412**
Installation field 152 - 177 for rail-mounted devices, width 250 mm, rail spacing 150 mm	750	250	100	1	EBF VS 152 - 177 REG60 250 mm	**93845-0515**
Installation field 152 - 177 for rail-mounted devices, width 500 mm, rail spacing 150 mm	750	500	130	1	EBF VS 152 - 177 REG120/KL 250 mm	**93845-0525**
Installation field 152 - 177 f or rail-mounted devices and terminals, width 250 mm, rail spacing 150 mm	750	250	100	1	EBF VS 152 - 177 REG60/KL 250 mm	**93845-0513**
Installation field 152 - 177 for rail-mounted devices and terminals, width 500 mm, rail spacing 150 mm	750	500	130	1	EBF VS 152 - 177 REG120/KL 500 mm	**93845-0523**
Installation field for mounting panel 152 - 177 on underground angle, width 250 mm	750	250	0	1	EBF VS 152 - 177 Montagepl. 250 mm	**93845-0510**
Installation field for mounting panel 152 - 177 on underground angle, width 500 mm	750	500	130	1	EBF VS 152 - 177 Montagepl. 500 mm	**93845-0520**
Installation field 152 - 177 for rail-mounted devices, terminals and 2 x NH circuit breaker, size 00, width 250 mm, rail spacing 150 mm	750	250	0	1	EBF VS 142-177 REG48/KL/NT 1 x Gr. 1 250 mm	**93845-0511**
Installation field 152 - 177 for NH circuit breaker, size 1, width 250 mm, rail spacing 150 mm	750	250	0	1	EBF VS 152 - 177 NT 1 x Gr. 1 250 mm	**93845-0512**
Installation field 202 - 207 for rail-mounted devices, width 250 mm, rail spacing 150 mm	900	250	130	1	EBF VS 202 - 207 REG72 250 mm	**93845-0616**
Installation field 202 - 207 for rail-mounted devices, width 500 mm, rail spacing 150 mm	900	500	130	1	EBF VS 202 - 207 REG144 500 mm	**93845-0626**
Installation field 202 - 207 f or rail-mounted devices and terminals, width 250 mm, rail spacing 150 mm	900	250	130	1	EBF VS 202 - 207 REG72/KL 250 mm	**93845-0614**
Installation field 202 - 207 for rail-mounted devices and terminals, width 500 mm, rail spacing 150 mm	900	500	130	1	EBF VS 202 - 207 REG144/KL 500 mm	**93845-0624**
Installation field for mounting panel 202 - 207 on underground angle, width 250 mm	900	250	130	1	EBF VS 202 - 207 Montagepl. 250 mm	**93845-0610**
Installation field for mounting panel 202 - 207 on underground angle, width 500 mm	900	500	130	1	EBF VS 202 - 207 Montagepl. 500 mm	**93845-0620**
Installation field 202 - 207 for rail-mounted installation devices, terminals and 2 x NH circuit breaker, size 00, width 250 mm, rail spacing 150 mm	900	250	130	1	EBF VS 202 - 207 REG72/KL/NT 2 x Gr. 00 250 mm	**93845-0618**
Installation field 202 - 207 for NH circuit breaker, size 1, width 250 mm, rail spacing 150 mm	900	250	0	1	EBF VS 202 - 207 NT 1 x Gr. 1 250 mm	**93845-0613**

Distribution pillars - selection aid
Overview of empty pillars, mounting panels, mounting kits, installation fields

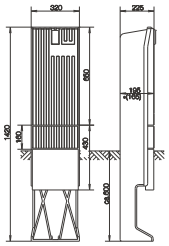
Distribution pillars
Assembly with mounting panel: Empty pillar + mounting panel
Assembly with installation fields: Empty pillar + mounting kit + installation field

Overview of empty pillars
xxxxx-0211 with PVC mounting panel installed

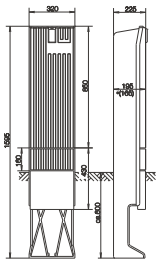
Mounting panels
made self-extinguishing plastic for various assembly options, 6 mm thickness

for individual assembly

93260-0010 / 93260-0211
Series 142



93261-0010 / 93261-0211
Series 162

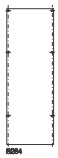


93840-1420
for SL142



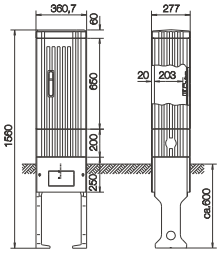
Dimensions:
600 x 276 mm

93840-1620
for SL162

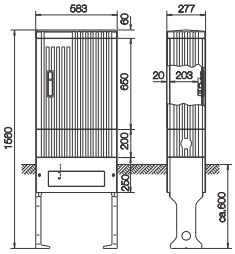


Dimensions:
800 x 276 mm

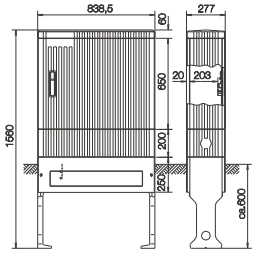
93262-0010 / 93262-0211
Series 152



93270-0010 / 93270-0211
Series 155



93280-0010 / 93280-0211
Series 157

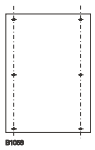


93840-1520
for SL152



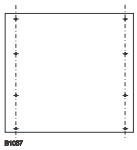
Dimensions:
700 x 278 mm

93840-1550
for SL155



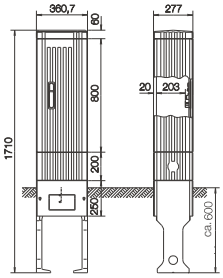
Dimensions:
700 x 500 mm

93840-1570
for SL157

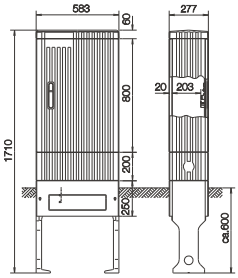


Dimensions:
755,5 x 756 mm

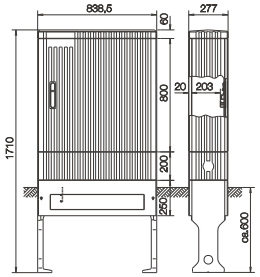
93263-0010 / 93263-0211
Series 172



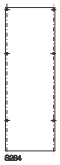
93271-0010 / 93271-0211
Series 175



93281-0010 / 93281-0211
Series 177



93840-1720
for SL172



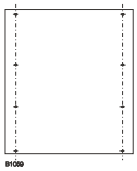
Dimensions:
850 x 278 mm

93840-1750
for SL175



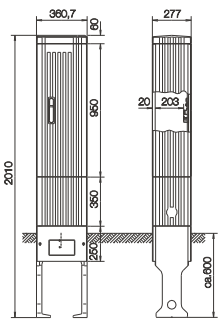
Dimensions:
850 x 500 mm

93840-1770
for SL177

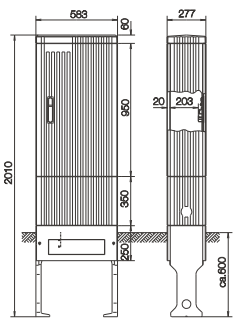


Dimensions:
850 x 756 mm

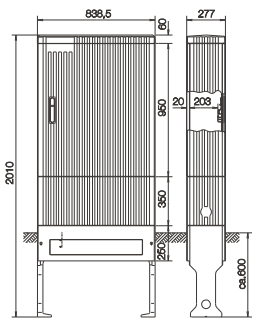
93264-0010 / 93264-0211
Series 202



93272-0010 / 93272-0211
Series 205



93282-0010 / 93282-0211
Series 207



93840-2020
for SL202



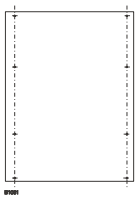
Dimensions:
1000 x 278 mm

93840-2050
for SL205



Dimensions:
1000 x 500 mm

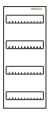
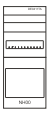
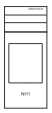
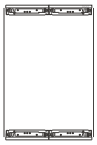
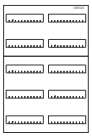
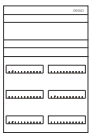
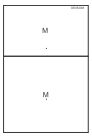
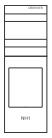
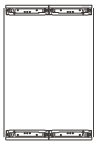
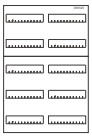
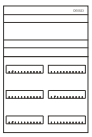
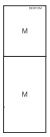
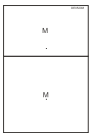
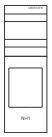
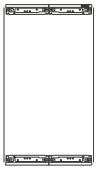
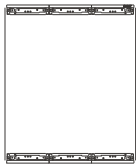
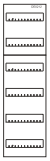
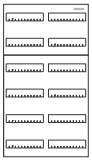
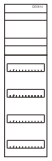
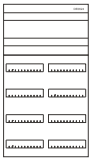
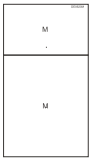
93840-2070
for SL207



Dimensions:
1000 x 756 mm

Mounting kits
with membrane flange in inlet.
For further flanges see section Accessories

Installation fields for rail spacing 150 mm
For installation in all empty pillars. Without N- and PE bars. Distribution fields, built in accordance with IEC 439-3 / EN 60439-3 / DIN VDE 0660 part 504 / DIN VDE 43880. Circuit breaker fields are prepared for the installation of horizontal-design NH fuse-switches. Use matching covers.

			for rail-mounted devices		for rail-mounted devices and terminals		for mounting panels on underground angles with contact protection		for REG, terminals and 2 NH fuse-switches size 00	for NH fuse-switches size 1
			250 mm	500 mm	250 mm	500 mm	250 mm	500 mm	250 mm	500 mm
93850-1420 for SL142/162			**93845-0419**		**93845-0413**		**93845-0410**		**93845-0411**	**93845-0412**
										
			48 REG		48 REG		48 REG		48 REG	48 REG
93820-0051 for SL152	**93850-1540** for SL155	**93850-1570** for SL157	**93845-0515**	**93845-0525**	**93845-0513**	**93845-0523**	**93845-0510**	**93845-0520**	**93845-0511**	**93845-0512**
										
			60 REG	120 REG	60 REG	120 REG	60 REG	120 REG	60 REG	60 REG
93845-0051 for SL172	**93850-1540** for SL175	**93850-1570** for SL177	**93845-0515**	**93845-0525**	**93845-0513**	**93845-0523**	**93845-0510**	**93845-0520**	**93845-0511**	**93845-0512**
										
			60 REG	120 REG	60 REG	120 REG	60 REG	120 REG	60 REG	60 REG
93850-2020 for SL202	**93850-2040** for SL205	**93850-2070** for SL207	**93845-0616**	**93845-0626**	**93845-0614**	**93845-0624**	**93845-0610**	**93845-0620**	**93845-0618**	**93845-0613**
										

Distribution cabinets, flat design
System description

Type:
Degree of protection: IP44

Material:
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913

Colour:
RAL 7035 light grey

Dimensions:
See dimensional drawing

Locking:
Single-locking

Base:
Cable mounting rail made of angled steel 40x40x3 mm

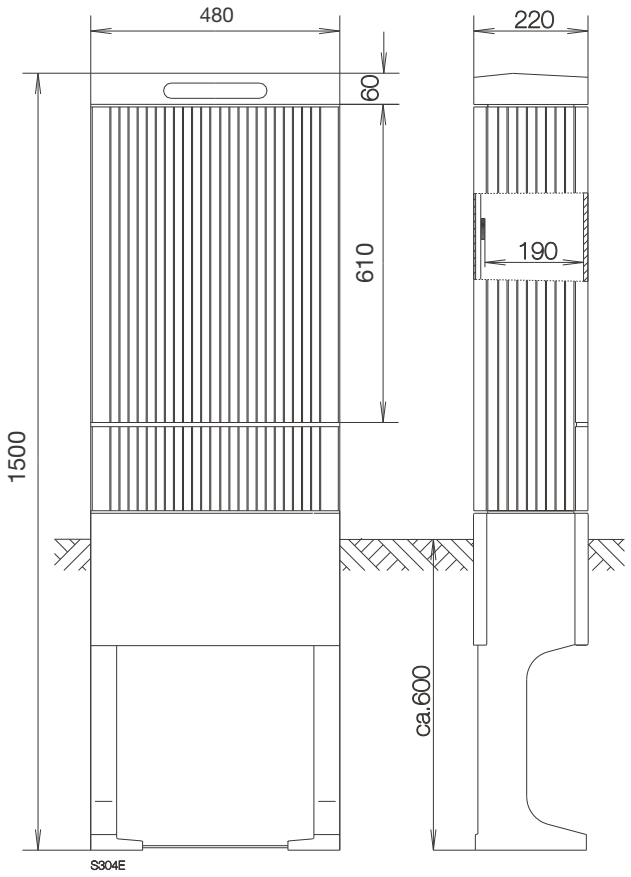
Installations (upon request):
- Mounting panel
- NH fuse-rails, size 2
- Vertical-design NH fuse-switches, size 00

Benefits:
- Extremely low-profiled outer dimension of only 220 mm
- Installation depth of 190 mm in accordance with the standard dimension specified in DIN 43629
- Entire installation depth can be used thanks to innovative locking system, patent DE 3903118 C2
- Modern, corrugated design
- Cabinet parts can be painted upon request
- Hinged door with 3 latches, hinged on left-hand or right-hand side
- Optimised breaking point to prevent avoidable earthwork

Note:
It is recommended to fit safety covers to distribution cabinets equipped with busbar systems with unused installation spaces.

Distribution cabinets, flat design
Dimensional drawings

Series 154: 93191-0000, 93191-0201



Distribution cabinets, size 00, 0, 1, 2
System description

Type:
Degree of protection: IP44
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
The cabinets comply with DIN EN 61439-5

Colour:
RAL 7035 light grey

Dimensions:
Distribution cabinet in accordance with DIN 43629
Distribution cabinet, size 0/845 - 845x585x315 mm (HxWxD)
Distribution cabinet, size 1/845 - 845x780x315 mm (HxWxD)
Distribution cabinet, size 2/845 - 845x1110x315 mm (HxWxD)

Distribution cabinet in accordance with DIN 43629, part 1
Distribution cabinet, size 0/1005- 1005x585x315 mm (HxWxD)
Distribution cabinet, size 0/1355- 1355x585x315 mm (HxWxD)
Distribution cabinet, size 1/1005- 1005x780x315 mm (HxWxD)
Distribution cabinet, size 1/1355- 1355x780x315 mm (HxWxD)
Distribution cabinet, size 2/1005- 1005/x1110x315 mm (HxWxD)
Distribution cabinet, size 2/1355- 1355/x1110x315 mm (HxWxD)

Distribution cabinet
Distribution cabinet, size 00/845 - width 480/height 845/depth 315 mm

Locking:
- 3-point espagnolette lock
- Double-locking, one lock cylinder installed

Base:
- Lateral opening for 55-mm construction-site connection that can be closed from inside
- Cable mounting rail made of angled steel, 40 x 40 x 3 mm for bracket clamps
- Breaking point between cabinet and base prevents avoidable earthwork
- The fairground base can be used instead of the polyester base as an alternative

Enclosure:
- Modern, corrugated design
- Easy replacement of defective enclosure parts
- Recyclable as enclosure contains no press-fitted metal parts

Doors:
- 180° for stand-alone units, 90° for cabinets located side-by-side
- Doors are easy to install and remove to and from hinges
- Door hinges can be located on either side
- Cabinets of size 2 can be fitted with doors locking independently of each other (on request)

Ventilation:
Labyrinth-shaped ventilation ducts ensure air flow through the enclosure,
preventing the ingress of foreign objects and poking.

Foundation:
- In order to avoid dew inside the enclosure, it is recommended to fill the foundation up to the level of the cable mounting rail after assembly.
- Use base filler (25-l bag, 93820-5075), recommended fill height is 200 - 300 mm.
  Quantity required: for distribution cabinet, size 00, size 0 = 2 bags for distribution cabinet, size 1, size 2 = 3 bags

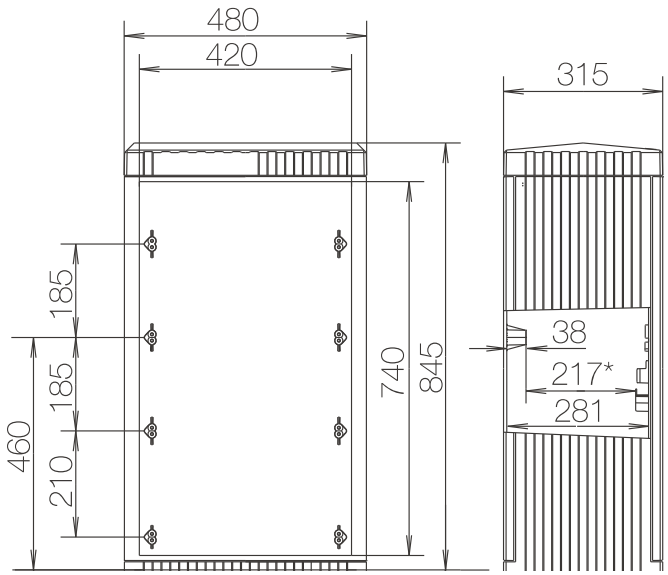
Distribution cabinet with asymmetric doors:
All distribution cabinets with asymmetric doors are fitted with a PVC mounting panel with partition wall.
Left door and right door are fitted with double locking with a lock cylinder. A second cylinder can be added.

Cabinet type	Order no.	Door aperture W x H (mm)	
		left	right
SL 081 V	**93110-0401**	286 x 740	416 x 740
SL 082 V	**93120-0401**	274 x 740	757 x 740
SL 101 V	**93112-0401**	286 x 900	416 x 900
SL 102 V	**93122-0401**	274 x 900	757 x 900
SL 131 V	**93113-0401**	286 x 1250	416 x 1250
SL 132 V	**93123-0401**	274 x 1250	757 x 1250

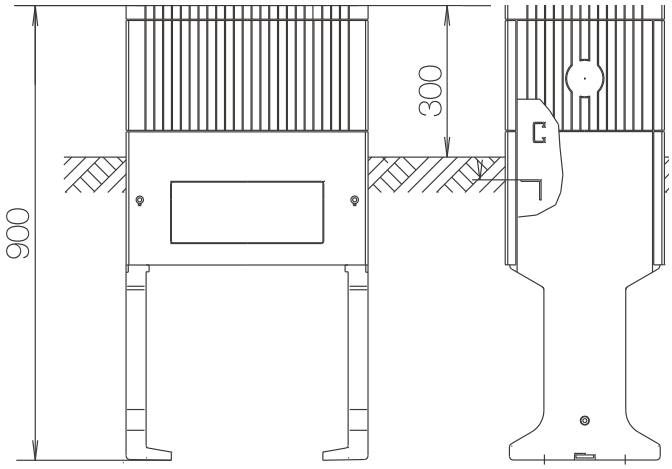
Note:
It is recommended to fit safety covers to distribution cabinets
equipped with busbar systems with unused installation spaces.

Distribution cabinets and base variants, size 00
Dimensional drawings

Size 00, height 845 mm: 93101-0302
Empty cabinet, one door



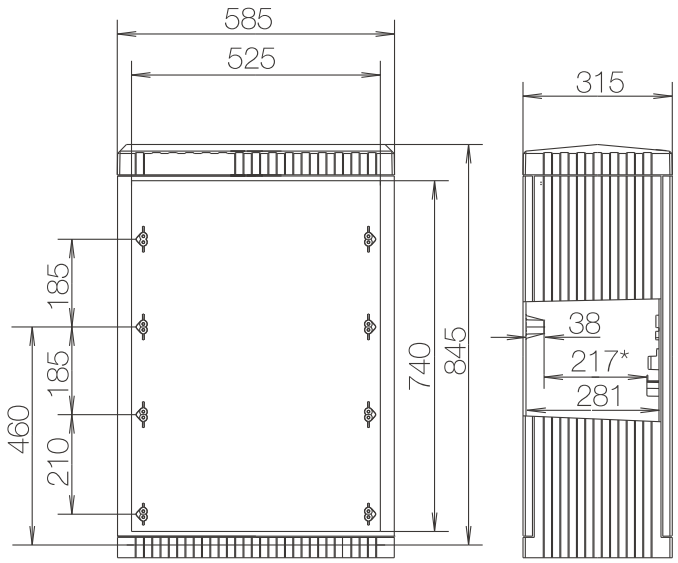
In-ground base: 93835-0010



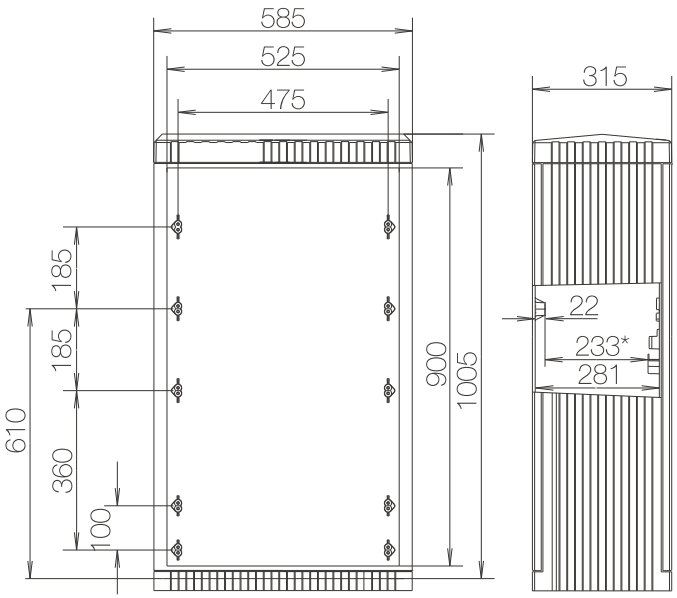
* Installation depth in lock area

Distribution cabinets, size 0
Dimensional drawings

Size 0, height 845 mm: 93101-0000
Empty cabinet, one door



Size 0, height 1005 mm: 93102-0000
Empty cabinet, one door

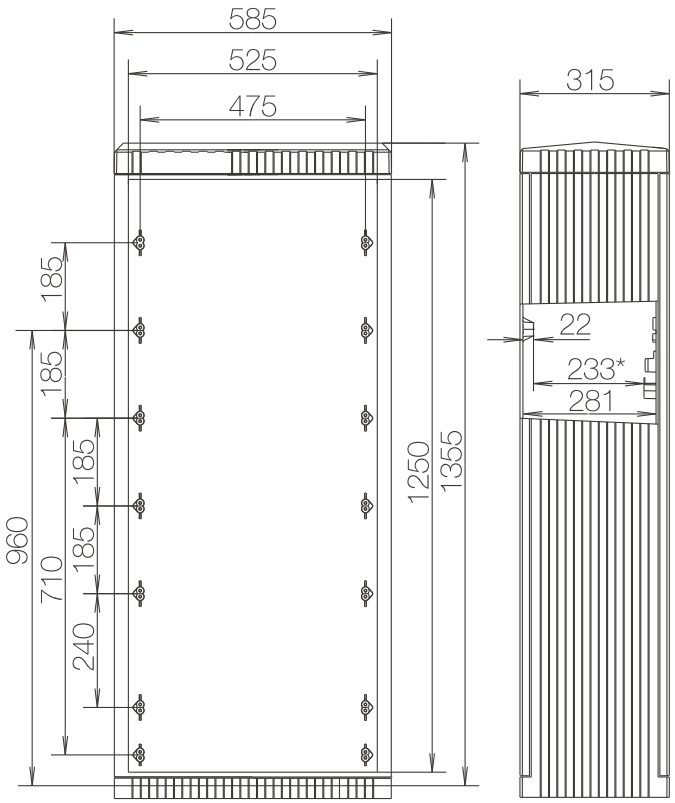


* Installation depth in lock area

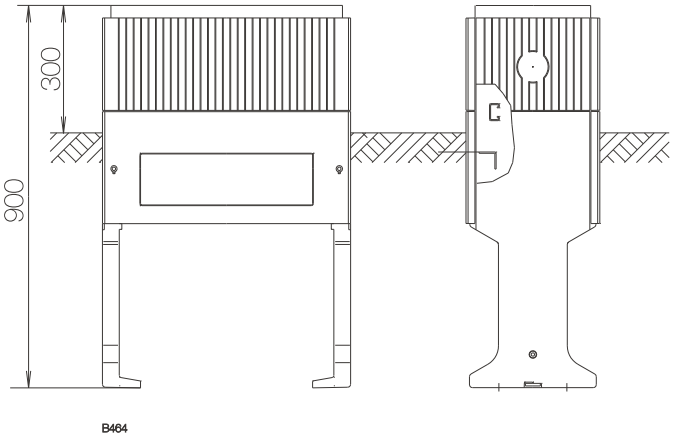
Distribution cabinets and base variants, size 0
Dimensional drawings

Size 0, height 1355 mm: 93103-0000

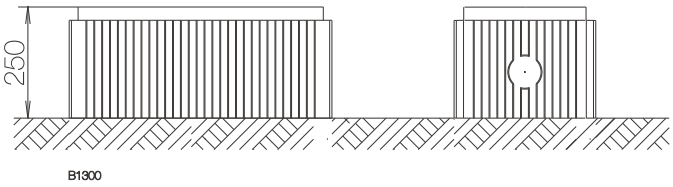
Empty cabinet, one door



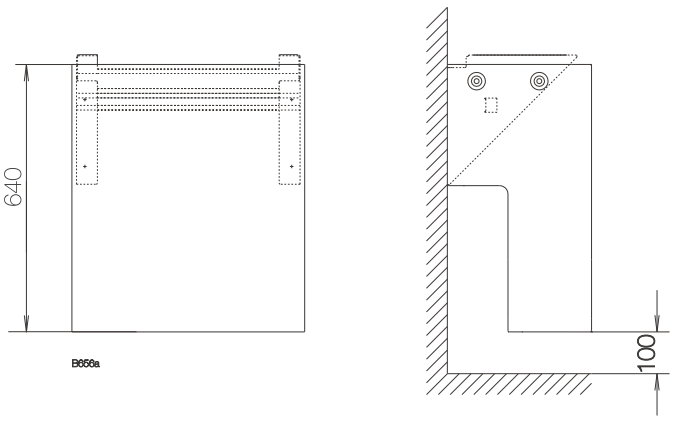
In-ground base: 93810-1010



Floor-mounted base: 93835-1020



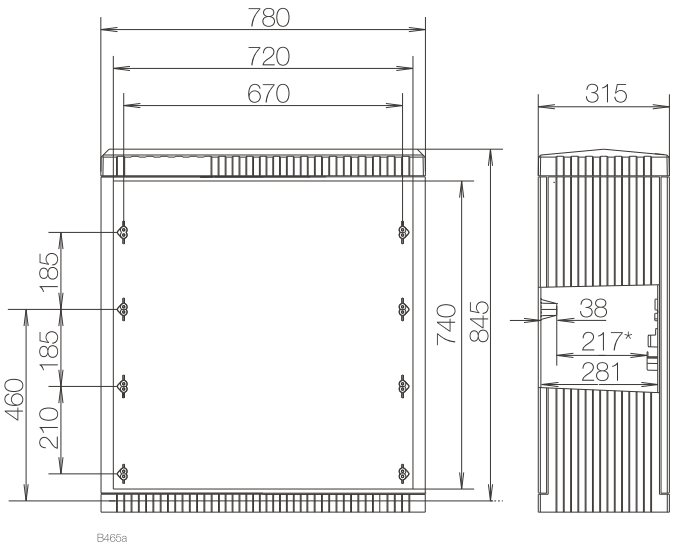
Wall bracket: 93835-1030



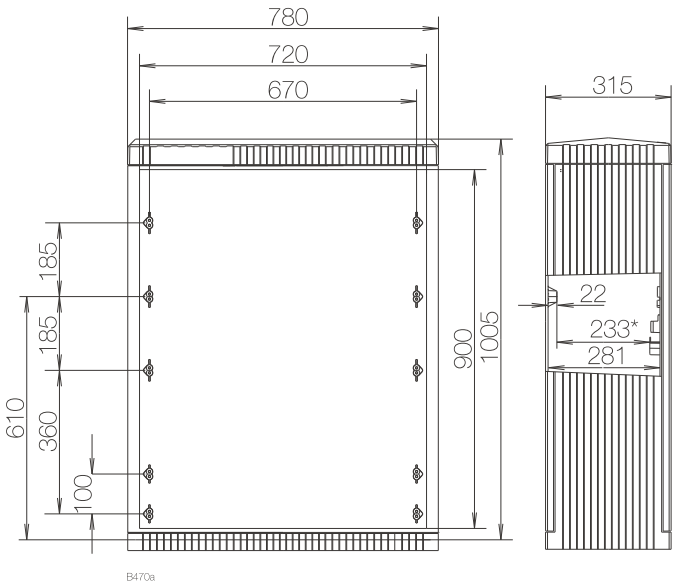
* Installation depth in lock area

Distribution cabinets, size 1
Dimensional drawings

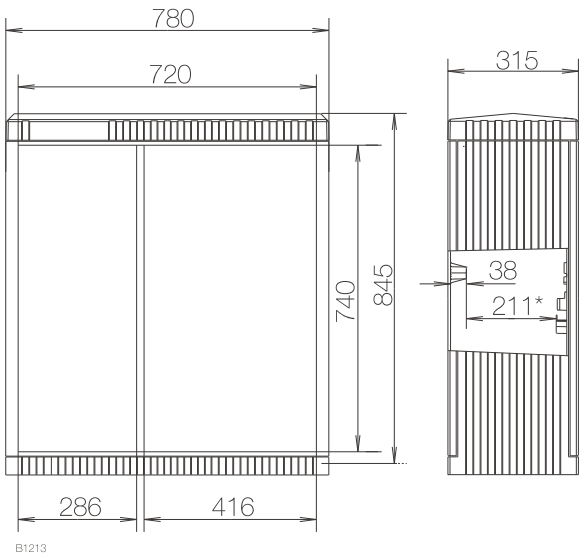
Size 1, height 845 mm: 93110-0000
Empty cabinet, one door



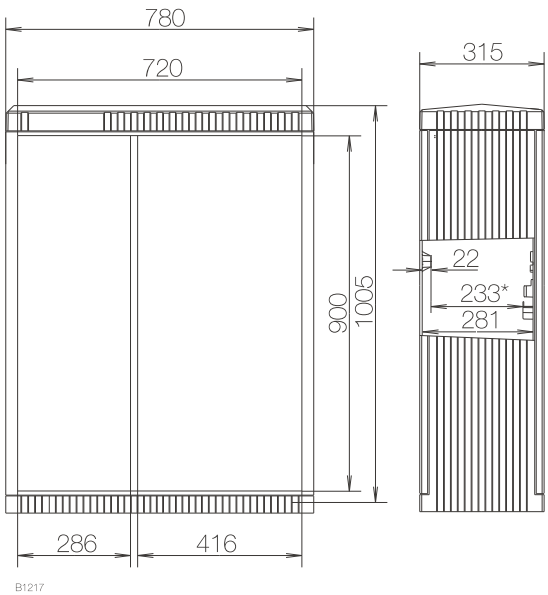
Size 1, height 1005 mm: 93112-0000
Empty cabinet, one door



93110-0401
Distribution cabinet with asymmetric doors



93112-0401
Distribution cabinet with asymmetric doors



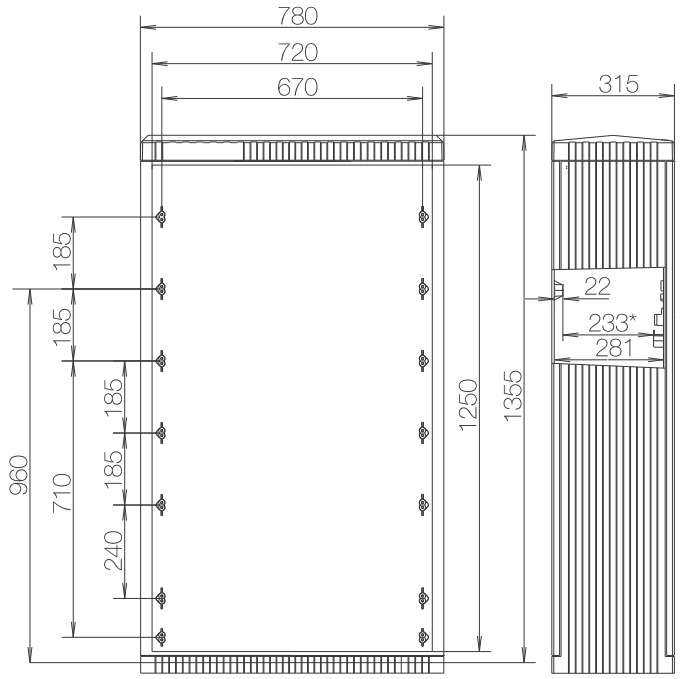
Distribution systems

* Installation depth in lock area

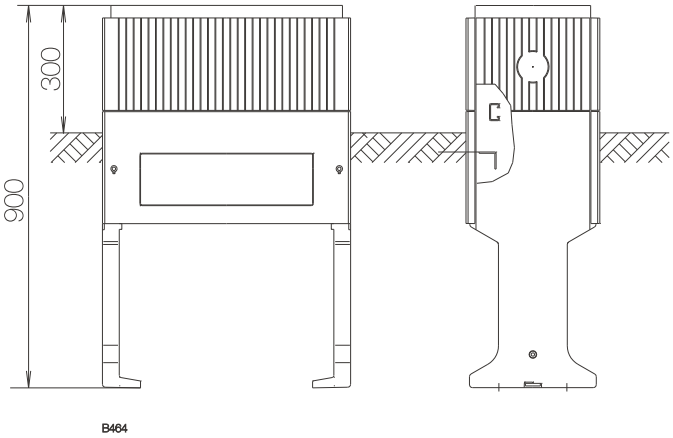
Distribution cabinets and base variants, size 1
Dimensional drawings

Size 1, height 1355 mm: 93113-0000

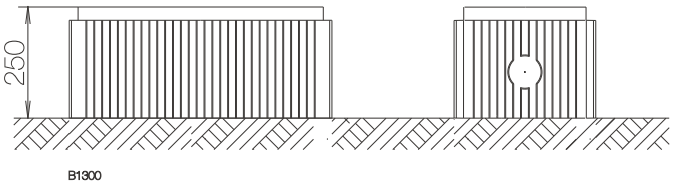
Empty cabinet, one door



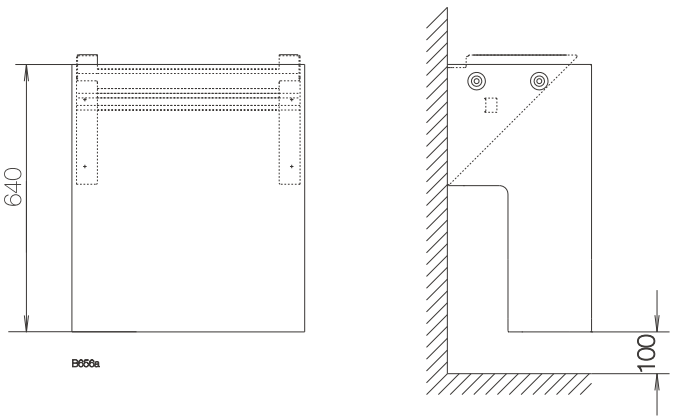
In-ground base: 93835-0110



Floor-mounted base: 93835-0130



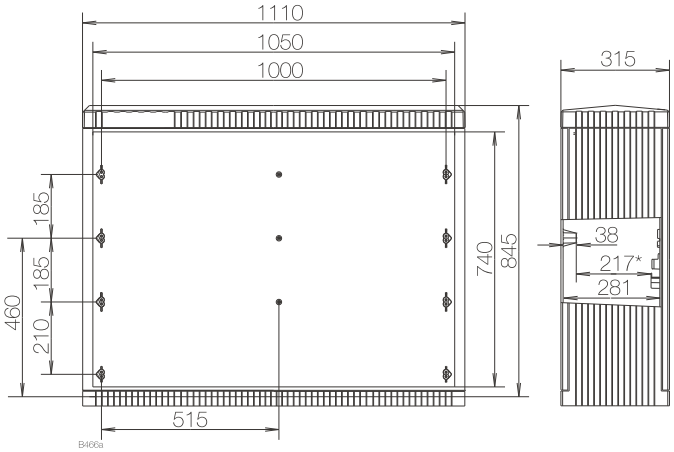
Wall bracket: 93835-0140



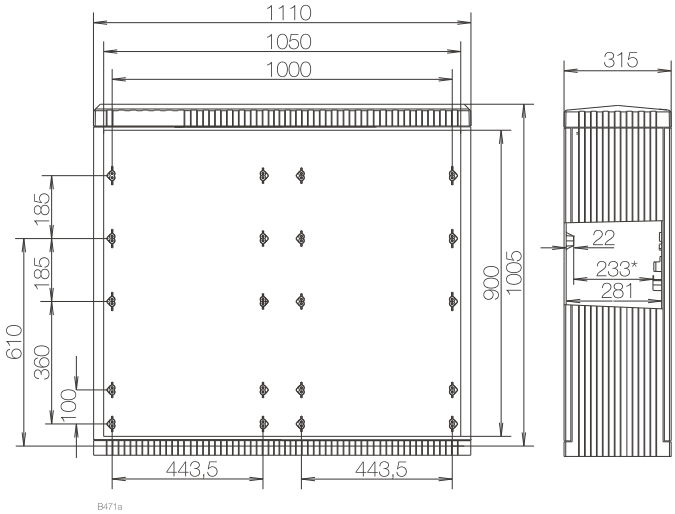
* Installation depth in lock area

Distribution cabinets, size 2
Dimensional drawings

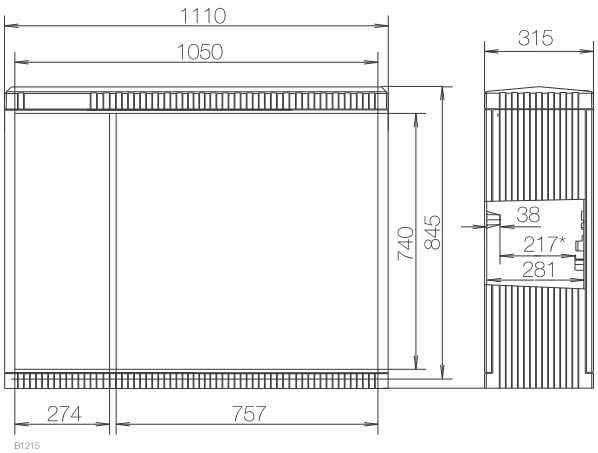
Size 2, height 845 mm: 93120-0000
Empty cabinet, two-door



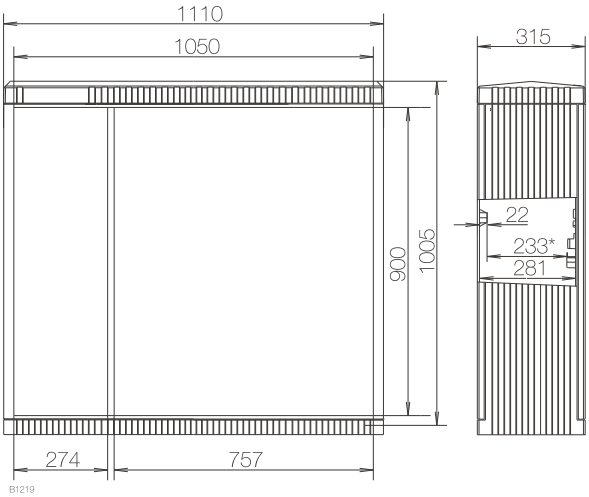
Size 2, height 1005 mm: 93122-0000
Empty cabinet, two-door



93120-0401
Distribution cabinet with asymmetric doors



93122-0401
Distribution cabinet with asymmetric doors

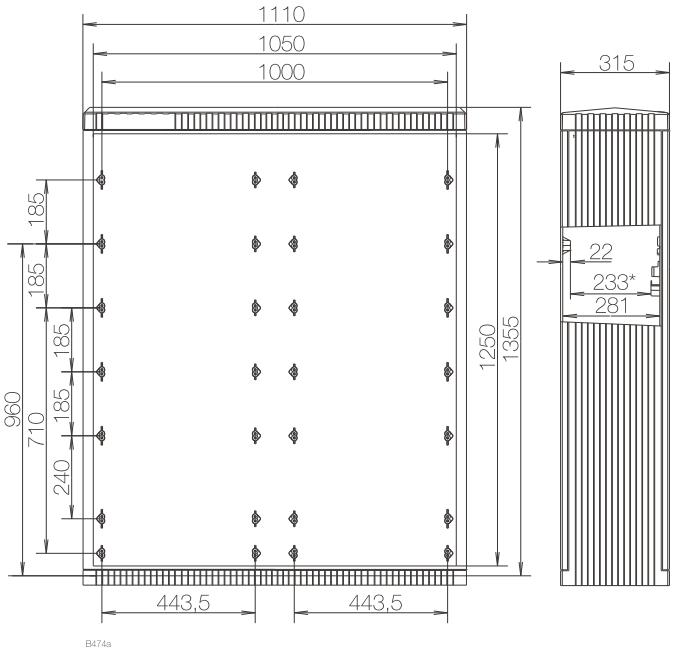


* Installation depth in lock area

Distribution cabinets and base variants, size 2
Dimensional drawings

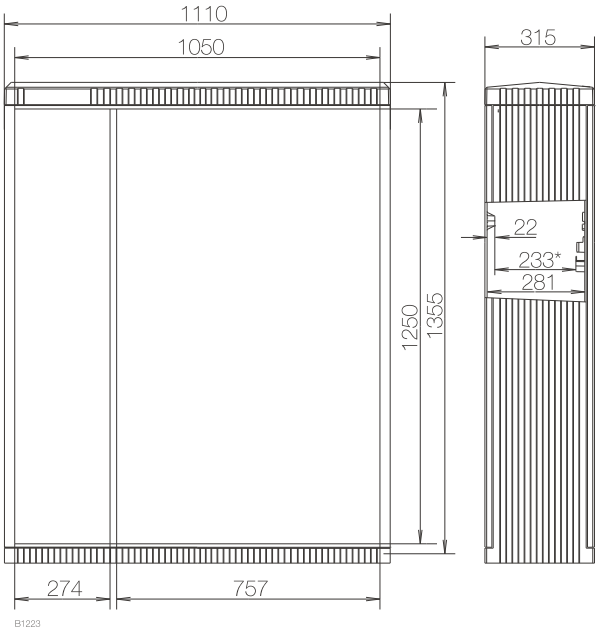
Size 2, height 1355 mm: 93123-0000

Empty cabinet, two-door

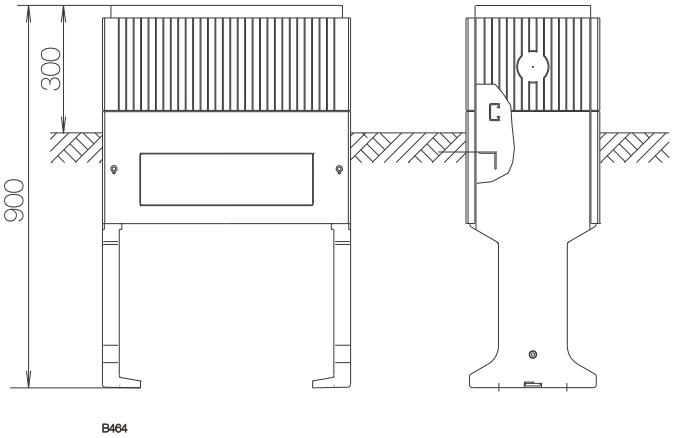


93123-0401

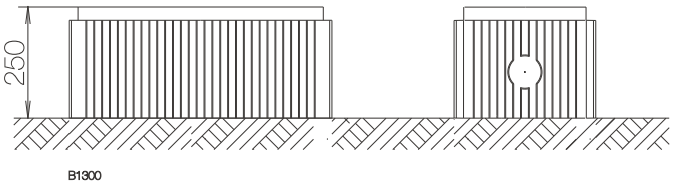
Distribution cabinet with asymmetric doors



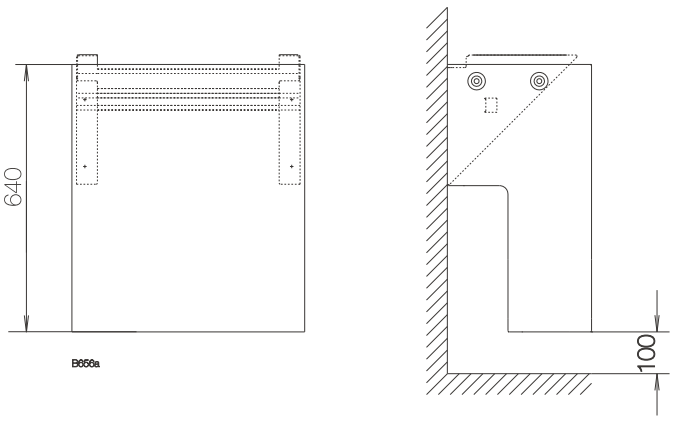
In-ground base: 93835-0210



Floor-mounted base: 93835-0230



Wall bracket: 93835-0240



* Installation depth in lock area

Distribution pillars, series 142, 162
System description

Type:
Degree of protection: IP44

Material:
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913

Colour:
Light grey in accordance with RAL 7035

Dimensions:
See dimensional drawings

Door:
Plug-in door

Locking:
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Base:
Enclosure and base form one unit. Floor grid optional.

Installations (upon request):
- Mounting panel
- NH fuse-rails, size 2
- NH fuse-rails, size 00

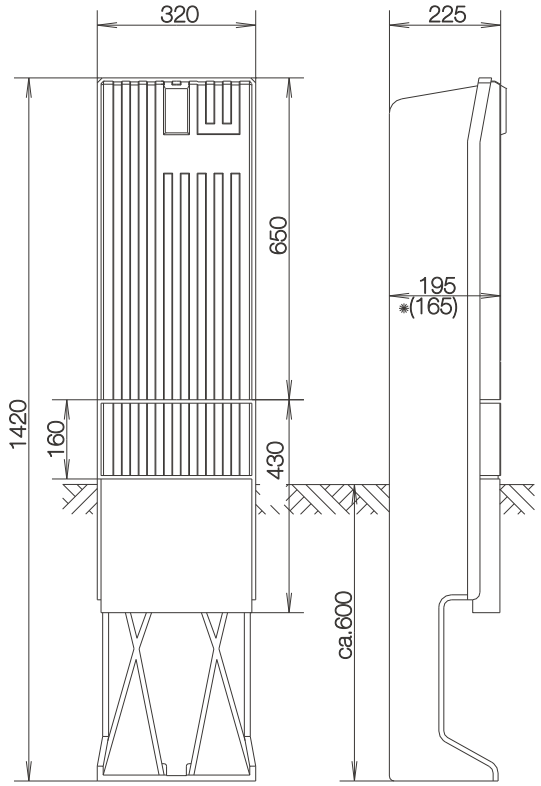
Note:
In order to avoid dew inside enclosures installed on moist ground, it is recommended to fill the foundation up to the level of the cable mounting rail after assembly.
Use base filler (25-l bag, 93820-5075), the recommended fill height is 200 - 300 mm.

Product benefits

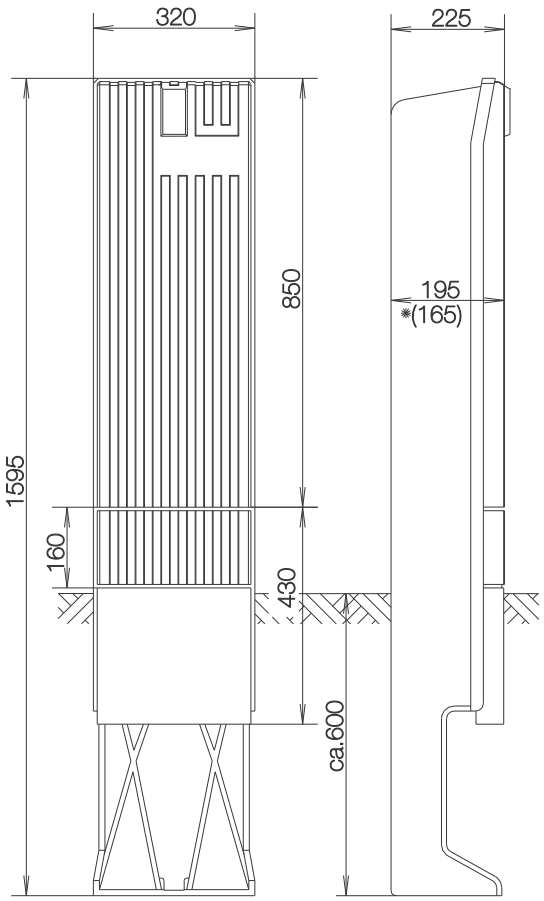
- Low height
- Compact dimensions
- Modern, corrugated design
- Pillar parts can be painted upon request
- Doors are easy to install and remove to and from hinges

Distribution pillars, series 142, 162
Dimensional drawings

Series 142: 93260-0010



Series 162: 93261-0010



Distribution pillars, series 152, 155, 157, 172, 175, 177, 202, 205, 207
System description

Type:
Degree of protection: IP44

Material:
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913

Colour:
Light grey in accordance with RAL 7035

Dimensions:
See dimensional drawings

Locking:
- 3-point espagnolette lock
- Empty pillars and variant with mounting panel = double locking, one lock cylinder installed
- Distribution pillar with busbar = single-locking

Base:
Enclosure and base form one unit.

Installations (upon request):
- Mounting panel
- NH fuse-rails, size 2
- NH fuse-rails, size 00

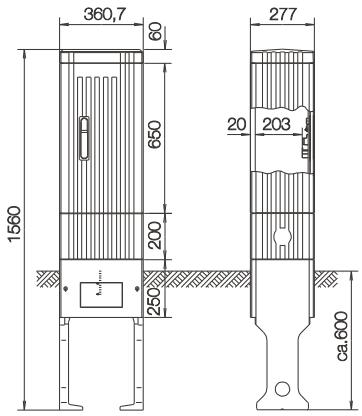
Note:
In order to avoid dew inside enclosures installed on moist ground, it is recommended to fill the foundation up to the level of the cable mounting rail after assembly.
Use base filler (25-l bag, 93820-5075), the recommended fill height is 200 - 300 mm.

Product benefits

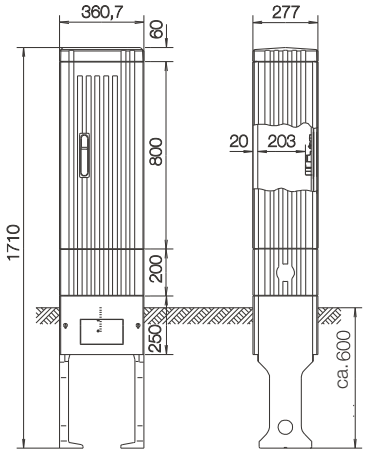
- Modern, corrugated design
- Recyclable as enclosure contains no press-fitted metal parts
- Pillar parts can be painted upon request
- Door handle with flush turn lever made of shockproof plastic
- Doors of stand-alone cabinets open up to 180°
- Pillar can be set up in tightly-spaced rows, doors opening up to 90°
- Doors are easy to install and remove to and from hinges
- Door hinges can be located on left-hand or right-hand side

Distribution pillars, series 152, 155, 157, 172, 175, 177, 202, 205, 207
Dimensional drawings

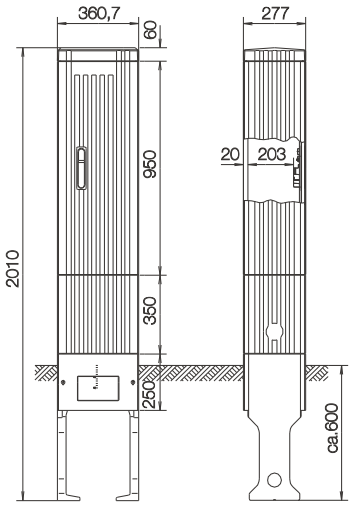
Series 152: 93262-0010



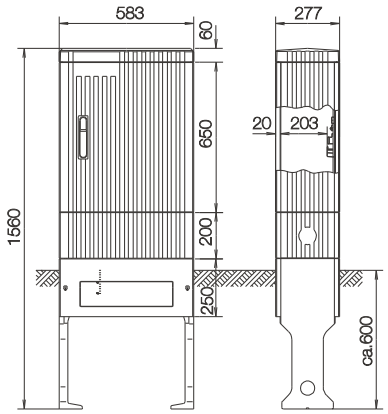
Series 172: 93263-0010



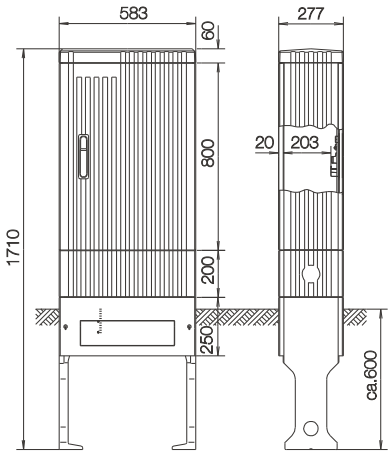
Series 202: 93264-0010



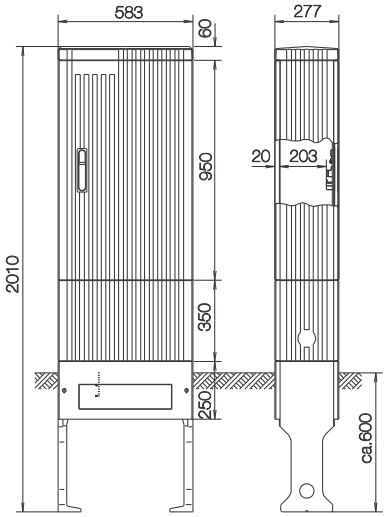
Series 155: 93270-0010



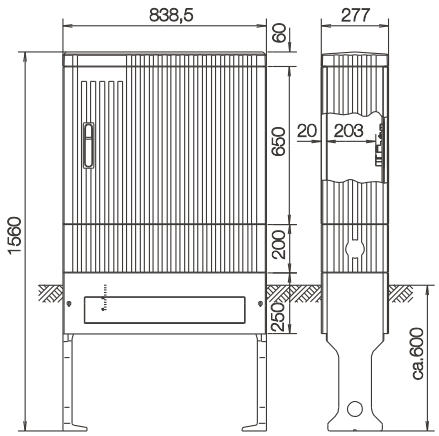
Series 175: 93271-0010



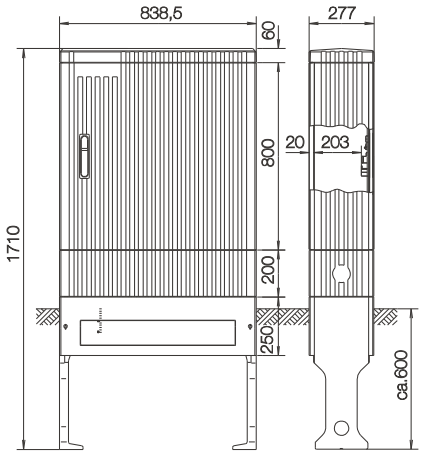
Series 205: 93272-0010



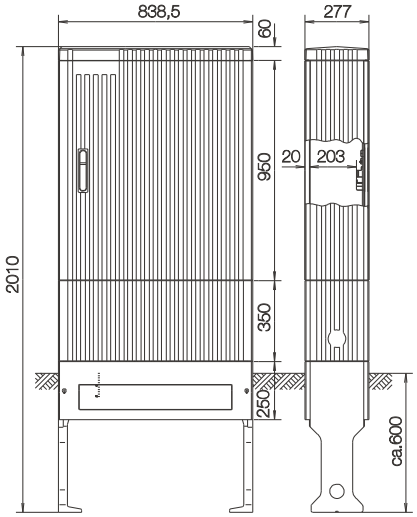
Series 157: 93280-0010



Series 177: 93281-0010



Series 207: 93282-0010





Elegant Design: Distributors and House Service Pillars

For installation and operation of safe stationary and mobile power distribution systems, EFEN offers a wide comprehensive range of distribution and house service systems.

System
EFEN's round distribution pillars for distribution and house service applications are visually appealing. Inconspicuous design for indoor and outdoor use.

Features
EFEN's power distributors for fairgrounds and market squares provide reliable functionality and operational safety in any weather. The modular design enables flexible selection of components and a multitude of variants to be realized thanks to pre-assembled installation units.



Elegant Power Distributors and House Service Pillars

Distribution pillar, round page 410

Distribution pillar, round, for market squares and fairgrounds page 411

House service pillar, round, pre-assembled page 412

Accessories page 413

Technical data page 414

Cross-Reference-List page 452

Appealing design
Reliable, safe and elegant design offers many new application options



Flexible
Available as stationary and mobile power distribution pillar variants for market squares and fairgrounds - simple, safe, perfect



TCS-compliant
Design and selection of components comply with the technical connection specifications (TCS) of the utility provider



Highly variable
Mobile fairground distributor with various installation units for outlets up to 32 A



Distribution pillars

▶ Technical data, 414
Dimensional drawing, page 415, 416



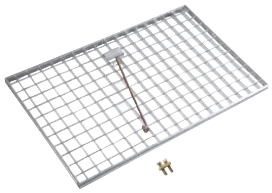
93250-0010

Distribution pillar

Features:
- Degree of protection: IP44
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913; contains recycled material
- Colour: RAL 7035
- Granite structure
- Single-locking

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 115, height 1150 mm, round	1150	360	360	1	VS 115 ST L	**93250-0010**
Distribution pillar 115, height 1150 mm, with PVC mounting panel, 260 x 350 x 6 mm (H x W x D), round	1150	360	360	1	VS 115 ST MP	**93250-0211**
Distribution pillar 135, height 1350 mm, round	1350	360	360	1	VS 135 ST L	**93251-0010**
Distribution pillar 135, height 1350 mm, with PVC mounting panel, 290 x 350 x 6 mm (H x W x D), round	1350	360	360	1	VS 135 ST MP	**93251-0211**
Distribution pillar 135, height 1350 mm, with PVC mounting panel, 200 x 537 x 6 mm (H x W x D), round, cable outlet	1350	360	360	1	VS 135 ST MP KA	**93251-0511**

Accessories for distribution pillars



93825-0267

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor-grid kit VS 115/135	1	Bodenrost-Stahlblech Set für VS 115/135	**93825-0267**



93820-5075

Base filler

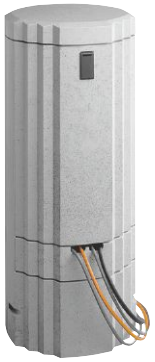
Features:
Filler material to reduce the accumulation of condensed water in enclosures located outdoors.

Distribution pillar
115 and 135 = 1 bag

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

Distribution pillars for market squares and fairgrounds

▶ Technical data, 414
Dimensional drawing, page 417



93251-0030

Distribution pillars for market squares and fairgrounds

Designation	Height	Width	Depth	PU	Product designation	Order no.
Distribution pillar 135, height 1350 mm, with fairground cutout for power socket combination	1350	360	360	1	VS 115 ST FP	**93251-0033**
Distribution pillar 135, fairground, height 904 mm	904	360	360	1	VS 135 ST FP	**93251-0030**

Accessories for distribution pillars for market squares and fairgrounds



93835-0055

Underfloor power supply unit, IP67

Designation	PU	Product designation	Order no.
Base of underfloor power supply unit, cast iron, SF135M, with coupling, 5-pole, 63 A, IP67, for power supply	1	VS 135 Elektrant Gußeisen	**93835-0055**

House service pillar

▶ Technical data, 418
Dimensional drawing, page 415



93250-0013

House service pillar

Features:
- Degree of protection: IP44
- Height 1150 mm
- Width 30 mm
- Depth 30 mm
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913; contains recycled material
- Colour: RAL 7035 - granite structure
- Single-locking
- Pre-assembled for use as house service pillar

Designation	PU	Product designation	Order no.
House service pillar 115, height 1150 mm, 1 x 3 NH00, input via V-clamp 10 – 95 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS 115 1x3NH00 Zug. 10-95/Abg. 10-70 ST	**93250-0013**
House service pillar 115, height 1150 mm, 1 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS 115 1x3NH00 Zug. 35-240/Abg. 10-70 ST	**93250-0113**
House service pillar 115, height 1150 mm, 1 x 3 NH00, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 10 – 50 mm² se	1	HAS 115 1x3NH00 Zug. 2x70-240/Abg. 10-70 ST	**93250-0213**
House service pillar 115, height 1150 mm, 2 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS 115 2x3NH00 Zug. 35-240/Abg. 10-70 ST	**93250-0313**
House service pillar 115, height 1150 mm, 2 x 3 NH00, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 10 – 70 mm² se	1	HAS 115 2x3NH00 Zug. 2x70-240/Abg. 10-70 ST	**93250-0413**
House service pillar 115, height 1150 mm, 1 x 3 NH2, input via V-clamp 35 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS 115 1x3NH2 Zug. 35-240/Abg. 25-95 ST	**93250-0513**
House service pillar 115, height 1150 mm, 1 x 3 NH2, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS 115 1x3NH2 Zug. 2x70-240/Abg. 25-95 ST	**93250-0613**



93251-0013

House service pillar

Features:
- Degree of protection: IP44
- Height 1350 mm
- Width 360 mm
- Depth 360 mm
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913; contains recycled material
- Colour: RAL 7035 - granite structure
- Single-locking
- Pre-assembled for use as house service pillar

Designation	PU	Product designation	Order no.
House service pillar 135, height 1350 mm, 1 x 3 NH00, input via V-clamp 10 – 95 mm² se, output via flat-clamp 10 – 50 mm² se	1	HAS 135 1x3NH00 Zug. 10-95/Abg. 10-50 ST	**93251-0013**
House service pillar 135, height 1350 mm, 1 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 50 mm² se	1	HAS 135 1x3NH00 Zug. 35-240/Abg. 10-50 ST	**93251-0113**
House service pillar 135, height 1350 mm, 1 x 3 NH00, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 10 – 50 mm² se	1	HAS 135 1x3NH00 Zug. 2x70-240/Abg. 10-50 ST	**93251-0213**
House service pillar 135, height 1350 mm, 2 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS 135 2x3NH00 Zug. 35-240/Abg. 10-70 ST	**93251-0313**
House service pillar 135, height 1350 mm, 2 x 3 NH00, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 10 – 70 mm² se	1	HAS 135 2x3NH00 Zug. 2x70-240/Abg. 10-70 ST	**93251-0413**
House service pillar 135, height 1350 mm, 1 x 3 NH2, input via V-clamp 35 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS 135 1x3NH2 Zug. 35-240/Abg. 25-95 ST	**93251-0513**
House service pillar 135, height 1350 mm, 1 x 3 NH2, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS 135 1x3NH2 Zug. 2x70-240/Abg. 25-95 ST	**93251-0613**

▶ Technical data, 417



93865-0150

Socket combinations for fairgrounds and market squares

Designation	Height	Width	Depth	PU	Product designation	Order no.
Socket combination 1 x CEE socket, 16 A, 5-pole, 2 x Schuko socket, 16 A	288	222	166	1	VS Steckdosenkombi. 1 x CEE 16A - 2 x Schuko 16A	**93865-0150**
Socket combination 1 x CEE socket, 16 A, 5-pole, 2 x Schuko socket, 32 A	288	222	166	1	VS Steckdosenkombi. 1 x CEE 16A - 2 x Schuko 32A	**93865-0160**
Socket combination 4 x Schuko socket, 16 A	288	222	160	1	VS Steckdosenkombi. 4 x Schuko 16A	**93865-0170**
Socket combination 1 x CEE socket, 16 A	288	222	160	1	VS Steckdosenkombi. 1 x CEE 16A	**93865-0180**
Mounting panel kit for socket combination	350	260	6	1	VS 115/135 Montageplattenset für Steckdosenkombination	**93840-0190**

Distribution pillar
for fairgrounds and market squares

General information

Standards:
DIN VDE 0100 part 722 regulates the installations for fairground and amusement park machinery and structures, vehicles and camper trailers typically used by showmen.

Stationary distribution pillar, round

Variant:
Degree of protection: IP44
Glass-fibre-reinforced polyester of type FS 833.5
DIN 16913, includes recycled material

Colour:
Similar to RAL 7035, light grey with granite structure

Dimensions:
Height 1350 mm / Ø 360 mm

Locking mechanism:
Single-locking, one lock cylinder pre-installed

Base:
- Enclosure and base form one unit

Foundation:
- To avoid condensed water on the inside of the enclosure, it is recommended to fill the foundation up to the level of the cable mounting rail after assembly.
- Use base filler (25-l bag, article number 93820-5075), the recommended fill height is approx. 200 - 300 mm.

Mobile distribution pillar, round

Variant:
Degree of protection: IP44
Glass-fibre-reinforced polyester of type FS 833.5
DIN 16913, includes recycled material

Colour:
Similar to RAL 7035, light grey with granite structure

Dimensions:
Height 904 mm / Ø 360 mm

Locking mechanism:
Single-locking, one lock cylinder pre-installed

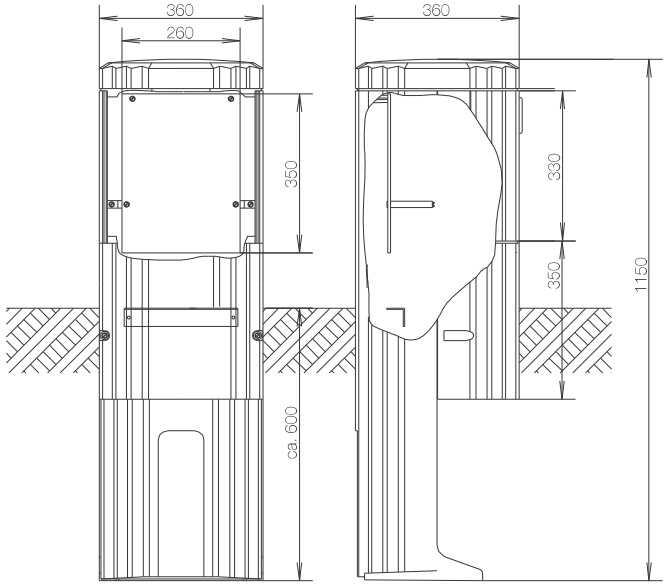
Underfloor power supply unit:
Cast-iron enclosure with cover, 310 x 420 x 315 mm (H x W x D)
Stainless-steel bolts with wing nuts, weight 28.5 kg

Product benefits

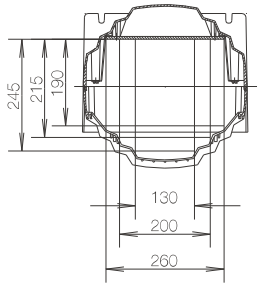
- Flexible assembly thanks to modular design
- Appealing, modern design, winner of the "Gute Industrieform" award
- Cables can be routed out of the enclosure with the door closed
- High number of variants thanks to pre-assembled installation units

Distribution pillar
Dimensional drawings

Series 115, round: 93250-0211

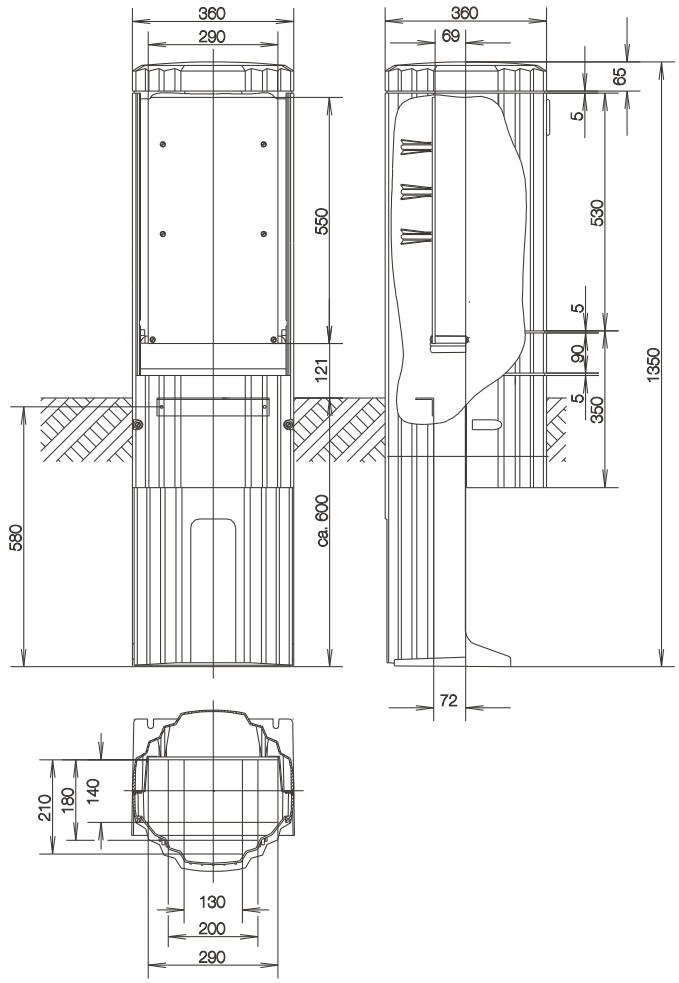


B530

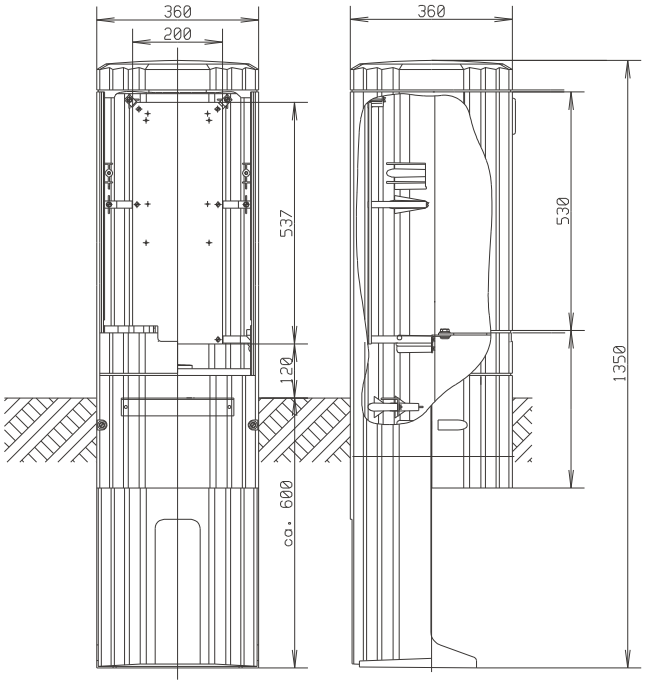


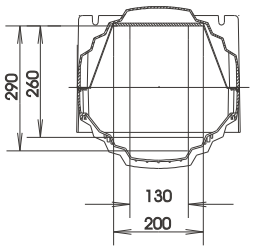
Distribution pillar
Dimensional drawings

Series 135, round: 93251-0211



Series 135, round: 93251-0511

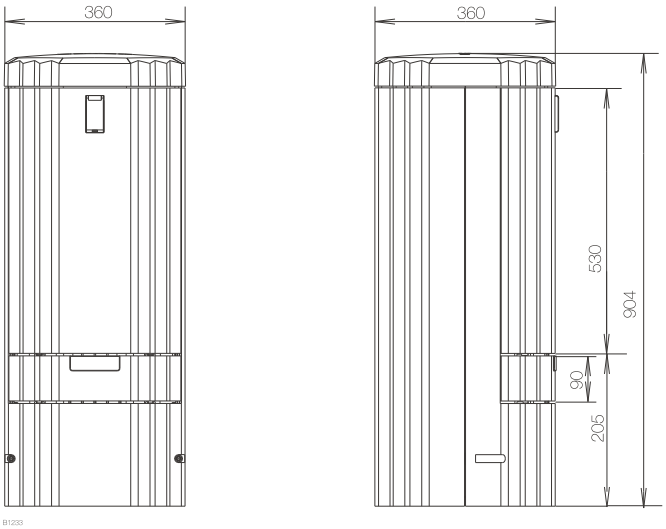




Distribution systems

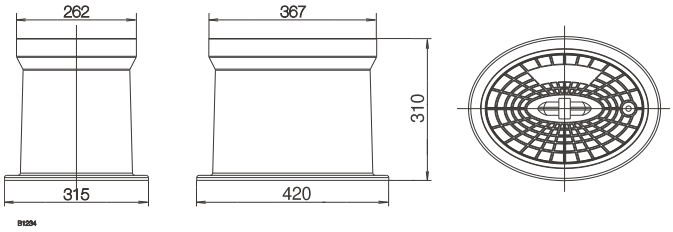
Distribution pillar
Dimensional drawings

Series 135, round: 93251-0030



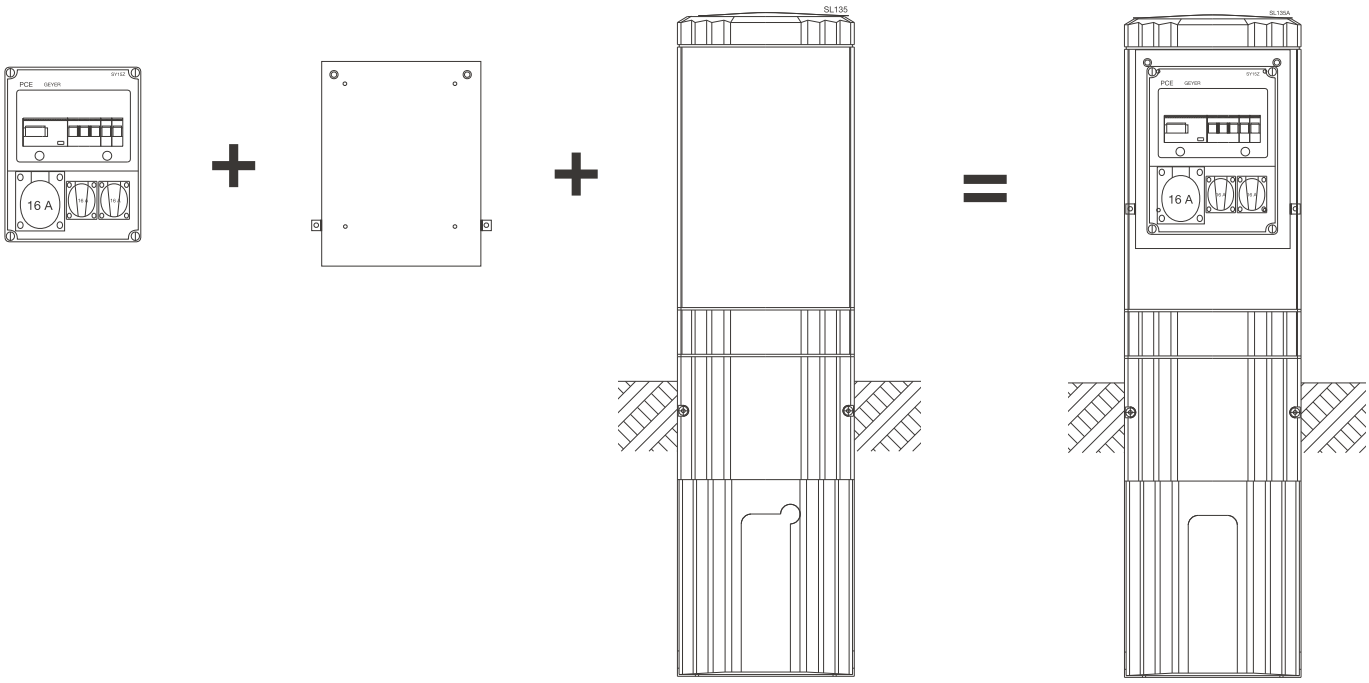
B12233

Underfloor power supply unit



B12234

Assembly of socket combination for 93251-0033 and 93251-0030



House service pillars

Material:
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913; contains recycled material

Colour:
Similar to RAL 7035, with rock structure

Degree of protection:
IP44

Door:
Plug-in door

Locking mechanism:
Locking mechanism for 1 lock cylinder, locking mechanism for 2 lock cylinders optional

Base:
Enclosure and base form one unit. Floor grid, adjustment rods and earthing connections optional

Installation options:
- 1 x 3 NH00
- 2 x 3 NH00
- 1 x 3 NH2

In the case of grid loops, double-V-clamps are used on the supply side of the external conductors.
Two individual terminals are used on the PEN conductor.

Series 115

Dimensions:
Height 1150 mm / Ø 360 mm

Series 135

Dimensions:
Height 1350 mm / Ø 360 mm

Fitted with NH fuse-rails of size 00 for busbar spacing of 100 mm upon request.

Product benefits

- Weather-resistant – ideal for outdoor use
- Versatile use thanks to modular design, e.g. as outdoor house service distributor, cable distribution, fairground distribution, broadband-cable distribution, pump control for lifting systems, power supply at petrol stations
- Enclosure and base form one unit.
- Units save space inside the building and are accessible for service work at all times
- Award for excellent design

House service pillars

Series 115, round

Order no.		Variants with pre-assembled devices	Input terminals mm² V-clamps	Output terminals mm²	Single-locking	Double-locking	1 lock cylinder installed	Split lower front cover	Construc-tion site connection
93250-0013		1 x 3 NH00	10 – 95 se	Steel-box flat-clamp 10–50 se Cu	standard	optional	optional	optional	optional
93250-0113		1 x 3 NH00	35 – 240 se	Steel-box flat-clamp 10–50 se Cu	standard	optional	optional	optional	optional
93250-0213		1 x 3 NH00	2 x 70 – 240 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93250-0313		2 x 3 NH00	35 – 240 se	Flat 10 – 70 se Cu	standard	optional	optional	optional	optional
93250-0413		2 x 3 NH00	2 x 70 – 240 se	Pressure plate 10 – 70 se Cu	standard	optional	optional	optional	optional
93250-0513		1 x 3 NH2	35 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional
93250-0613		1 x 3 NH2	2 x 70 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional

Series 135, round

Order no.		Variants with pre-assembled devices	Input terminals mm² V-clamps	Output terminals mm²	Single-locking	Double-locking	1 lock cylinder installed	Split lower front cover	Construc-tion site connection
93251-0013		1 x 3 NH00	10 – 95 se	Steel-box flat-clamp 10–50 se Cu	standard	optional	optional	optional	optional
93251-0113		1 x 3 NH00	35 – 240 se	Steel-box flat-clamp 10 – 50 se Cu	standard	optional	optional	optional	optional
93251-0213		1 x 3 NH00	2 x 70 – 240 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93251-0313		2 x 3 NH00	35 – 240 se	Flat 10 – 70 se Cu	standard	optional	optional	optional	optional
93251-0413		2 x 3 NH00	2 x 70 – 240 se	Pressure plate 10 – 70 se Cu	standard	optional	optional	optional	optional
93251-0513		1 x 3 NH2	35 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional
93251-0613		1 x 3 NH2	2 x 70 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional



House Service Systems

Advanced safety system interfaces by EFEN for state-of-the-art house applications. The system is prepared to be upgraded to future smart-grid challenges.

System
EFEN's pre-assembled house service systems save lots of installation time. All solutions comply with the requirements of the different grid operators.

Features
Our small house service pillars are accessible for service work any time. Their low profile and compact dimensions make these elegantly styled enclosures a perfect solution for a protected house service connection located outdoors.



House Service Systems

Cable house service pillars
height 1420 mm, pre-assembled page 422

Cable house service boxes KH 00 page 423

Cable house service boxes KH 1 page 424

Accessories for cable house service boxes page 426

Technical data page 428

Cross-Reference-List page 452

Integral design
Base and housing form one unit - installation is quick and easy



Compact design
The transparent cover allows the visual inspection of the fuses at all times



Universal use
Pre-assembled for use as house service pillar



House service pillars

▶ Technical data, 428
Dimensional drawing, page 429



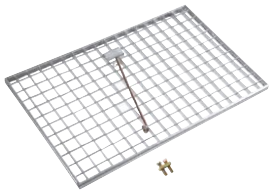
93260-0013

Distribution pillar, height 1420 mm, degree of protection IP44, pre-assembled

Features:
- Made of glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913
- Colour: RAL 7035 light grey
- Plug-in door
- Pre-assembled for use as house service pillar
- Single-locking
- Dimensions (H x W x D) 1420 x 320 x 225 mm

Options:
- Double-locking
- 1 lock cylinder installed
- Split lower front cover
- Construction site connections

Designation	PU	Product designation	Order no.
House service pillar 142, height 1420 mm, 1 x 3 NH00, input via V-clamp 10 – 95 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS142 1x3NH00 Zug. 10-95/Abg. 10-70 ST	**93260-0013**
House service pillar 142, height 1420 mm, 1 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS142 1x3NH00 Zug. 35-240/Abg. 10-70 ST	**93260-0113**
House service pillar 142, height 1420 mm, 1 x 3 NH00, input via V-clamp 2 x 70 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS142 1x3NH00 Zug. 2x70-240/ Abg. 10-70 ST	**93260-0213**
House service pillar 142, height 1420 mm, 2 x 3 NH00, input via V-clamp 35 – 240 mm² se, output via flat-clamp 10 – 70 mm² se	1	HAS142 2x3NH00 Zug. 35-240/Abg. 10-70 ST	**93260-0313**
House service pillar 142, height 1420 mm, 1 x 3 NH2, input via V-clamp 35 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS142 1x3NH2 Zug. 35-240/Abg. 25-95 ST	**93260-0413**
House service pillar 142, height 1420 mm, 1 x 3 NH2, input via V-clamp 2 x 70 – 240 mm² se, output via pressure plate 25 – 95 mm² se	1	HAS 1x3NH2 Zug. 2x70-240/Abg. 25-95 ST	**93260-0513**



93825-0266

Steel floor grid

Designation	PU	Product designation	Order no.
Steel floor grid kit for VS 142	1	Bodenrost-Stahlblech Set für VS 142	**93825-0266**



93820-5075

Base filler

Features:
- Filler material to reduce the accumulation of condensed water in enclosures located outdoors
- Required quantity for house service pillar 142 = 1 bag

Designation	PU	Product designation	Order no.
Filler material to reduce the accumulation of condensed water in enclosures located outdoors. The fill height should be approx. 200 - 300 mm. 1 bag = 25 litres	1	Sockelfüller 25L	**93820-5075**

House service boxes in accordance with DIN VDE 0660-505

▶ Technical data, 430, 432
Dimensional drawing, page 431, 433



93403-0053

House service box KH00 / K3 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: VDE 0660 part 505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- Square 8-mm bolt, slotted, bored for sealing wire
- 1 x M25 at top right for equipotential bonding
- Input: steel-box V-clamp 10 – 95 mm² / Output: steel-box flat-clamp 6 – 50 mm²
- 1 x 3NH00, I_n = 100 A

Designation	PU	Product designation	Order no.
Cover made of glass-fibre-reinforced polyester, PEN M4.1: 3 x terminal at output, safety cover: 2-piece, hinged, bored for sealing wire, crystal-clear	1	HAK KH00/K3 1x3NH00 Zug. 10-95/Abg. 6-70 ST	**93403-0053**
Crystal-clear cover made of polycarbonate, PEN M4.1: 3 x terminal at output, safety cover: 2-piece, hinged, bored for sealing wire, crystal-clear	1	HAK KH00/K3 1x3NH00 Poly-carbonat	**93403-0023**



93404-0033

House service box KH00 / K4 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: VDE 0660 part 505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 1 x M25 at top right for equipotential bonding
- Input: steel-box V-clamp 10 – 95 mm² / Output: steel-box flat-clamp 6 – 50 mm²
- 1 x 3 NH00, I_n = 100 A

Designation	PU	Product designation	Order no.
Cover made of glass-fibre-reinforced polyester, 1 x cable inlet PEN M4.1: 3 x terminal at output, safety cover: 2-piece, hinged, bored for sealing wire, crystal-clear	1	HAK KH00/K4 1x3NH00 Zug. 10-95/Abg. 6-70 ST	**93404-0003**
House service box KH00 / K4 in accordance with DIN VDE 0660-505, 1 x 3 NH00, 100 A, input: 2 x steel-box V-clamp 10 – 95 mm², output: 3 x steel-box flat-clamp 6 – 70 mm², loop-through type	1	HAK KH00/K4 1x3NH00 Zug. 10-95/Abg. 6-70 DS	**93404-0033**



93404-0013

House service box KH00 / K4 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: VDE 0660 part 505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 1 x M25 at top right for equipotential bonding
- 2 bottom cable inlets (input and output)
- Ceramic base offset to the right
- DSO cover, contact protection top and bottom
- Input: steel-box V-clamp 10 – 95 mm² / Output: steel-box flat-clamp 6 – 50 mm²
- 1 x 3 NH00, I_n = 100 A
- Including press-fitted rain cover

Designation	PU	Product designation	Order no.
House service box KH00 / K4 in accordance with DIN VDE 0660-505, PEN M1.1: 2 x terminals at output, 1 x 3 NH00, 100 A, input: V-clamp 10 – 95mm², output: steel-box flat-clamp 6 – 70 mm², including press-fitted rain cover	1	HAK KH00/K4 1x3NH00 Zug. 10-95/Abg. 6-70 RD	**93404-0023**
House service box KH00 / K4 in accordance with DIN VDE 0660-505, PEN M1.1: 2 x terminal at output, 1 x 3 NH00, 100 A, input: V-clamp 10 – 95 mm², output: Steel-box flat-clamp 6 – 70 mm², including press-fitted rain cover, locking mechanism for lock cylinder	1	HAK KH00/K4 1x3NH00 Zug. 10-95/Abg. 6-70 RD SV	**93404-0013**

House service boxes in accordance with DIN VDE 0660-505

▶ Technical data, 434
Dimensional drawing, page 435



93412-0003

House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: VDE 0660 part 505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 1 x 3NH2, I_n = 250 A

Designation	PU	Product designation	Order no.
House service box KH1 / K12 in accordance with DIN VDE 0660-505, 1 x 3 NH2, 250 A, input: V-clamps 35 – 185 mm² se, output: pressure plate 16 – 150 mm² se, standard	1	HAK KH1/K12 1x3NH2 Zug. 35-185/Abg. 16-150 ST	**93412-0003**
Clear cover made of polycarbonate 1 x cable inlet Input: V-clamps 35 – 185 mm² se Output: V-clamps 35 – 185 mm² se PEN M4.1: 2 x terminals at output + POT 10 – 70 mm² Cu/Al	1	HAK KH1/K12 1x3NH2 Polycarbonat	**93412-3763**
House service box KH1 / K12 in accordance with DIN VDE 0660-505, 1 x 3 NH2, 250 A, input: steel-box V-clamp 35 – 185 mm² se, output: pressure plate 16 – 150 mm² se standard	1	HAK KH1/K12 1x3NH2 Zug. 35-185/Abg. 16-150 ST	**93412-0043**
Loop-through type Cover made of glass-fibre-reinforced polyester 2 x cable inlet Input: Pressure plates 16 – 150 mm² sm Output: Pressure plates 16 – 150 mm² sm PEN M4.1: 2 x terminals at output + POT 10 – 70 mm² Cu/Al	1	HAK KH1/K12 1x3NH2 Zug. 16-150/Abg. 16-150 DS	**93412-0073**

House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: DIN VDE 0660-505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 1 x 3 NH2, I_n = 250 A
- Including rain cover

Designation	PU	Product designation	Order no.
House service box KH1 / K12 in accordance with DIN VDE 0660-505, 1 x 3 NH2, 250 A, input: V-clamps 35 – 185 mm² se, output: pressure plate 16 – 150 mm² se, with sheet-metal rain cover	1	HAK KH1/K12 1x3NH2 Zug. 35-185/Abg. 16-150 RD	**93412-0023**

House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: DIN VDE 0660-505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 2 x 3 NH00, I_n = 2 x 100 A

Designation	PU	Product designation	Order no.
Cover made of glass-fibre-reinforced polyester 1 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 10 – 50 mm² PEN M4.1: Input: 1 x pressure plate 16 – 150 mm² Output: 5 x pressure plates 10 – 50/70 mm²	1	HAK KH1/K12 1x3NH2 Zug. 16-150/Abg. 16-150 ST	**93412-0013**

▶ Technical data, 434
Dimensional drawing, page 435

House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: DIN VDE 0660-505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 2 x 3 NH00, I_n = 2 x 100 A

Designation	PU	Product designation	Order no.
Loop-through type Cover made of glass-fibre-reinforced polyester 2 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 50 – 185 mm² PEN M4.1: 5 x terminals at output	1	HAK KH1/K12 2x3NH00 Zug. 16-150/Abg. 16-150 DS	**93412-0053**
Loop-through type Cover made of glass-fibre-reinforced polyester with double breaker lugs 2 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 50 – 185 mm² PEN M4.1: 5 x terminals at output	1	HAK KH1/K12 2x3NH00 Zug. 16-150/Abg. 10-50 DS	**93412-0083**



93412-3701

House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: DIN VDE 0660-505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 1 x 3 NH00 + 1 x NH2, $I_n = \sum$ 250 A

Designation	PU	Product designation	Order no.
Cover made of glass-fibre-reinforced polyester 1 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 16 – 150 mm² + 10 – 50 mm² PEN M4.1: 5 x terminals at output			**93412-3701**
Loop-through type Cover made of glass-fibre-reinforced polyester 2 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 16 – 150 mm² + 10 – 50 mm² PEN M4.1: 5 x terminals at output	1	HAK KH1/K12 2x3NH00 Zug. 16-150/Abg. 16-150 DS	**93412-0053**

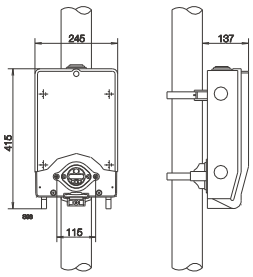
House service box KH1 / K12 in accordance with DIN VDE 0660-505

Features:
- Degree of protection: IP54, standards: DIN VDE 0660-505, protection category II
- Enclosure: Glass-fibre-reinforced polyester of type FS 833.5
- in accordance with DIN 16913, RAL 7035 light grey
- 4-point internal mounting
- 2 x square 8-mm bolt, slotted, bored for sealing wire
- 3 x 3 NH00, I_n = 3 x 80 A

Designation	PU	Product designation	Order no.
Cover made of glass-fibre-reinforced polyester 1 x cable inlet Input: Pressure plates 16 – 150 mm² se Output: Pressure plates 10 – 50 mm² PEN M4.1: 5 x terminals at output	1	HAK KH1/K12 3x3NH00 Zug. 16-150/Abg. 10-50 ST	**93412-0033**

Accessories

▶ Technical data, 433



93815-9106

Conversion kit for roof service mast mounting (only for enclosures with knock-outs on rear side)

Designation	PU	Product designation	Order no.
Conversion kit K3/K4 for overhead line – single-strand line 4 x 16 – 50 mm²	1	HAK Freil. K3/K4 4x16-50 LE	**93815-9106**
Conversion kit K3/K4 for overhead line – ribbon cable 4 x 16 mm²	1	HAK Freil. K3/K4 4x16 LF	**93815-9109**
Conversion kit K3/K4 for overhead line – ribbon cable 4 x 25/35 mm²	1	HAK Freil. K3/K4 4x25/35 LF	**93815-9110**
Conversion kit for roof service mast mounting of house service box, open inlet	1	HAK Dachständerbefest. offene Einf.	**93810-9108**



93810-2406

Retrofit kit for rear-side cable inlet

Features:
- Mounting plate with pilot grommet
- Strain-relief clamp
- Inlet flange with sealing diaphragm
- Mounting hardware

Designation	PU	Product designation	Order no.
Retrofit kit for rear-side cable inlet K3/K4, in the case of K3 only for variant with rear-side knock-out	1	HAK K3/K4Nachrüstbausatz f. rückseitige Kabeleinf.	**93810-2406**



93810-2843

Rain cover

Features:
- Made of galvanised sheet metal for house service boxes wall-mounted outside
- Fits K12

Designation	PU	Product designation	Order no.
Rain cover made of galvanised sheet metal for house service box K12 (H x W x D) 130 x 360 x 220 mm	1	HAK K12 Regendach	**93810-2843**



93810-1692

Inlet flange for cable conduits

Features:
- Secures cable conduits in the box inlet

Designation	PU	Product designation	Order no.
Inlet flange for cable conduits for house service boxes K3/K4, size M50	1	HAK K3/K4 Einführungsflansch Gr. M50	**93810-1692**
Inlet flange for cable conduits for house service boxes K3/K4, size M63	1	HAK K3/K4 Einführungsflansch Gr. M63	**93810-1693**



93810-0414

Cover frame for flush-mounted house service boxes

Features:
- Flush-mounted installation frame with plug-in door
- Wall rack made of steel strip, galvanised
- Cover frame and door with plastic base coat, RAL 9010

Designation	PU	Product designation	Order no.
Cover frame for flush-mounted wall rack for house service box K3/K4, RAL 9010, recess (H x W x D) 555 x 360 x 185 mm	1	HAK UP-Blendrahmen K3/K4 Wandgestell	**93810-0414**
Cover frame for flush-mounted wall box for house service box K3/K4, RAL 9010, recess (H x W x D) 555 x 360 x 185 mm	1	HAK UP-Blendrahmen K3/K4 Mauerkasten	**93810-0725**

Accessories

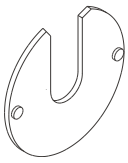
▶ Technical data, 433



93810-5045

Service mast bracket for house service boxes mounted on wooden masts

Designation	PU	Product designation	Order no.
Service mast bracket for K4 house service boxes mounted on wooden masts	1	HAK Mastbefestigungsbügel K4	**93810-5045**

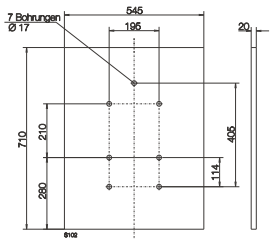


93810-4000

Shim

Features:
- For the mounting on uneven walls

Designation	PU	Product designation	Order no.
Shim for the mounting of K3/K4 house service boxes on uneven walls	1	HAK Unterlegscheibe K3/K4	**93810-4000**



93810-5805

Base panel for house service boxes

Features:
- Fibre-silicate panels (asbestos-free)
- Arcing-proof
- Drilled

Designation	PU	Product designation	Order no.
Base panel made of fibre-silicate to ensure protection against arcing in accordance with VDE 0100/DIN 57100, T732, point 4, K3/K4 for house service boxes (H x W x D) 710 x 545 x 20 mm	1	HAK Unterlegplatte K3/K4 Lichtbogenschutz	**93810-5805**



93810-6535

Construction site connection frame

Features:
- Without cover
- Degree of protection: IP54
- Increases installation depth of K4 by 123 mm
- RAL 7035 light grey

Designation	PU	Product designation	Order no.
Construction site connection frame for K4 house service boxes, IP 54, increases installation depth by 123 mm	1	HAK Bauanschlussrahmen K4 ohne Deckel	**93810-6535**



93810-6534

Construction site connection box

Features:
- Enclosed cover
- Degree of protection: IP21
- Dimensions: (W x H x D) 280 x 490 x 245 mm

Designation	PU	Product designation	Order no.
Construction site connection box for K3/K4 house service boxes, IP 21, (H x W x D) 490 x 280 x 245 mm	1	HAK Bauanschlusskasten K3/K4	**93810-6534**

House service pillars, series 142
System description

Material:
Glass-fibre-reinforced polyester of type FS 833.5 in accordance with DIN 16913

Colour:
RAL 7035 light grey

Degree of protection:
IP44

Dimensions:
see variants

Door:
Plug-in door

Locking mechanism:
- Locking mechanism for 1 lock cylinder
- Locking mechanism for 2nd lock cylinder optional

Base:
- Enclosure and base form one unit

Installation options:
- 1 x 3 NH00
- 2 x 3 NH00
- 1 x 3 NH2

In the case of grid loops, double busbar terminals or double V-clamps are used on the supply side of the external conductors.
Two individual terminals are used on the PEN conductor.

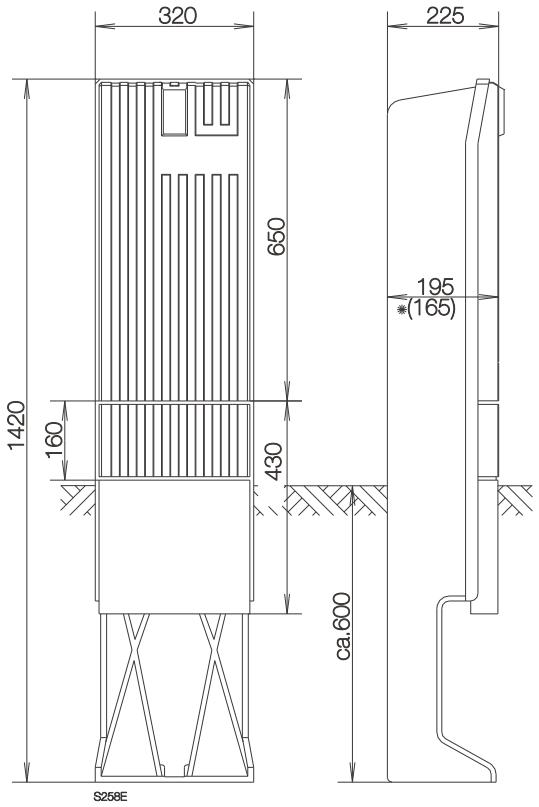
Product benefits

- Low height
- Compact dimensions
- Modern, corrugated design
- Pillar parts can be painted upon request
- Doors are easy to install and remove to and from hinges

House service pillars, series 142
Dimensional drawings

Series 142

93260-0013, 93260-0113, 93260-0213,
93260-0313, 93260-0413, 93260-0513



Order no.		Pre-assembled variants	Input terminals mm² V-clamps	Output terminals mm²	Single-locking	Double-locking	1 lock cylinder installed	Split lower front cover	Construc-tion site connection
93260-0013		1 x 3 NH00	10 – 95 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93260-0113		1 x 3 NH00	35 – 240 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93260-0213		2 x 3 NH00	2 x 70 – 240 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93260-0313		2 x 3 NH00	35 – 240 se	Pressure plate 10 – 50 se Cu	standard	optional	optional	optional	optional
93260-0413		1 x 3NH2	35 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional
93260-0513		1 x 3NH2	2 x 70 – 240 se	Pressure plate 25 – 95 se Cu	standard	optional	optional	optional	optional

House service box, KH00, in accordance with DIN VDE 0660-505, series K3
System description

Material:
Glass-fibre-reinforced polyester of type FS 803 in accordance with DIN 16911

Colour:
RAL 7035 light grey

Degree of protection:
IP54

Dimensions:
(W x H x D) 245 x 415 x 137 mm

Wall-mounting of enclosure:
4-point internal mounting
optional
3-point external mounting
2-point external mounting

Enclosure cover:
- Hinged, removable in 15°-position
- Glass-fibre-reinforced polyester of type FS 803
- Transparent variant made of polycarbonate optional

Input:
Sealing membrane, M50 knock-outs on right and left side

Output:
- Stepped nipple grommet
- M50 knock-out on right and left side
- One M25 knock-out on top and one on right-hand side

Installation:
- NH00 bases made of ceramic in accordance with DIN 43620
- NH00 contacts on plastic base optional

Input terminals:
Steel-box V-clamps 10 – 95 mm² Al/Cu

Output terminals:
Steel-box flat-clamps 6 – 50 mm² Al/Cu

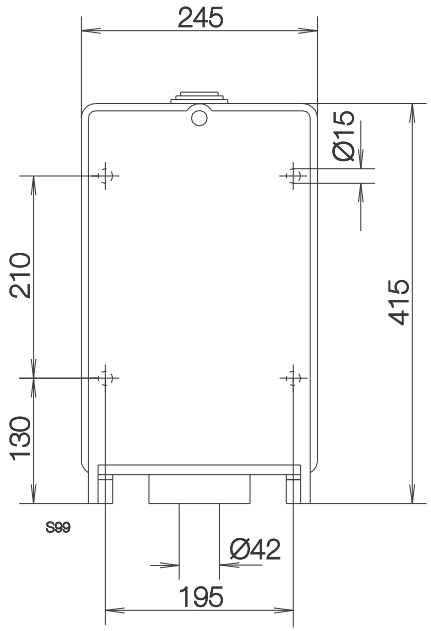
PEN conductor:
- Terminals as with NH00 bases
- Additional terminal and stepped nipple grommet M25 for PA (M1)
- Separate terminal for PE/N (M2) optional

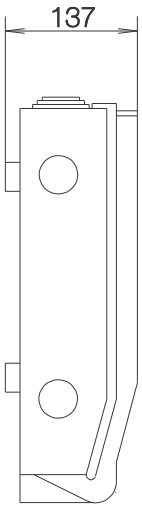
DSO cover:
- 2-piece DSO cover, can be stored inside box for re-use

Special-purpose variants:
- Enclosure with knock-outs on sides for drop-in conduit bases
- Enclosures with knock-outs on rear side for roof service mast grommet

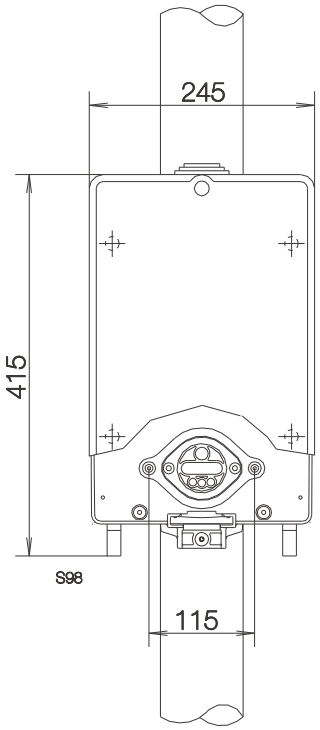
House service box, KH00, in accordance with DIN VDE 0660-505, series K3
Dimensional drawings

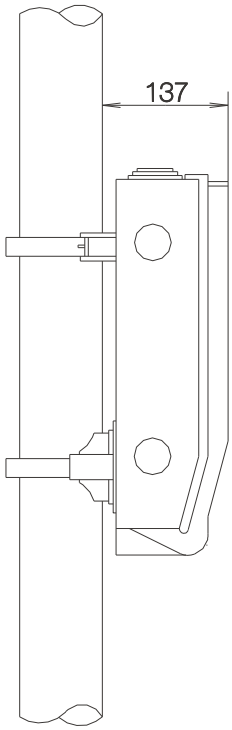
KH00, series K3
with ceramic base, 93403-0053





Conversion kit for roof service mast mounting
(only for enclosures with knock-outs on rear side)
93815-9106, 93815-9108, 93815-9109, 93815-9110, 93810-9111





House service box, KH00, in accordance with DIN VDE 0660-505, series K4
System description

Material:
Glass-fibre-reinforced polyester of type FS 803 in accordance with DIN 16911

Colour:
RAL 7035 light grey

Degree of protection:
IP 54

Dimensions:
(W x H x D) 244 x 400 x 144 mm

Wall-mounting of enclosure:
4-point internal mounting and 3-point external mounting

Enclosure for surface-mounting on outside walls:
- Press-fitted rain cover
- Input and output downward, NH00 bases offset to the right

Enclosure cover:
- Hinged, removable in 15°-position
- Glass-fibre-reinforced polyester of type FS 803
- Transparent variant made of polycarbonate optional

Input:
Sealing membrane, M50 knock-outs on right and left side

Output:
- Stepped nipple grommet
- M50 knock-outs on right and left side
- Two M25 knock-outs on top and one on right-hand side
- Drop-in conduit base M50 with stepped nipple grommet or cable gland
- Elevated drop-in output conduit base with 2 additional output options

Installation:
NH00 bases made of ceramic in accordance with DIN 43620

Input terminals:
Steel-box V-clamps 10 – 95 mm² Al/Cu

Output terminals:
Steel-box flat-clamps 6 – 50 mm² Al/Cu

PEN conductor:
- Terminals as with NH00 bases
- Additional terminal and stepped nipple grommet M25 for PA (M1)
- Separate terminal for PE/N (M2) optional

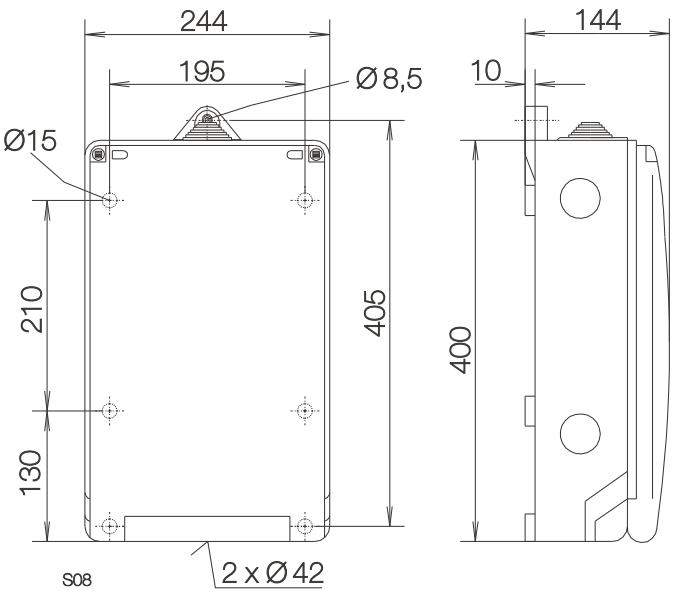
DSO cover:
- 2-piece DSO cover
- Can be stored inside box for re-use

Special-purpose variants:
- Enclosure with knock-outs on sides for drop-in conduit bases
- Enclosures with knock-outs on rear side for roof service mast grommet

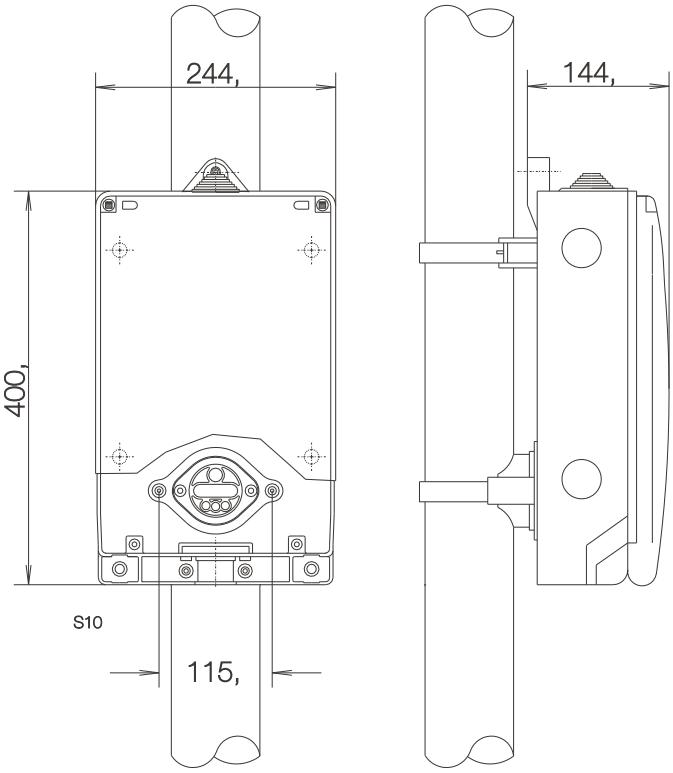
House service box, KH00, in accordance with DIN VDE 0660-505, series K4
Dimensional drawings

KH00, series K4

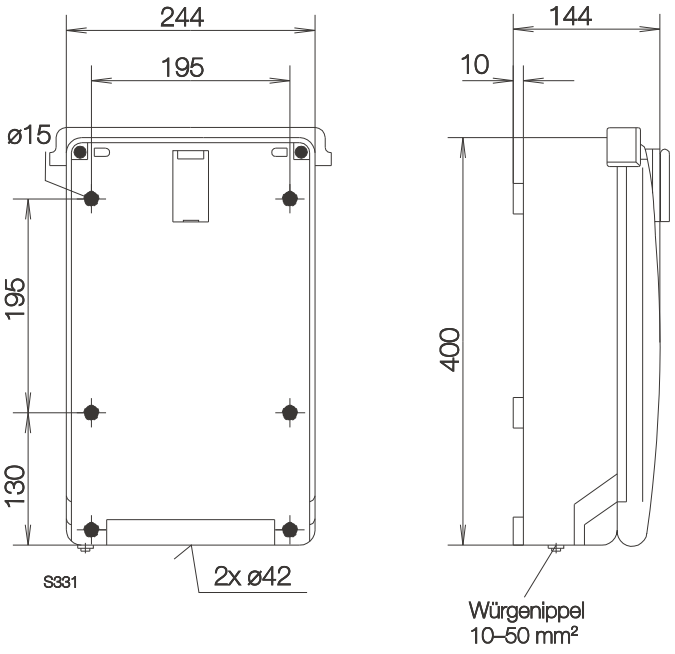
Standard type
93404-0003, 93404-0033



Conversion kit for roof service mast mounting
(only for enclosures with knock-outs on rear side)
93815-9106, 93815-9108, 93815-9109, 93815-9110, 93810-9111



With press-fitted rain cover, 93404-0023
With press-fitted rain cover and locking mechanism, for lock cylinder, 93404-0013



House service box, KH00, KH1 in accordance with DIN VDE 0660-505, series K12
System description

Material:
Glass-fibre-reinforced polyester of type FS 803 in accordance with DIN 16911

Colour:
RAL 7035 light grey

Degree of protection:
IP 54

Dimensions:
(W x H x D) 410 x 720 x 185 mm

Wall-mounting of enclosure:
- 4-point internal mounting
- External mounting with wall tabs optional

Enclosure for surface-mounting on outside walls:
With sheet metal top, input and output downward, NH2 bases offset to the right

Enclosure cover:
- Hinged, removable in 15°-position
- Glass-fibre-reinforced polyester of type FS 803
- Separate consumer space optional
- Transparent variant made of polycarbonate

Input:
- Drop-in conduit base with stepped seal
- Additional drop-in conduit bases for lateral cable inlet on left and right side

Output:
- Drop-in conduit base with stepped seal
- Additional drop-in conduit bases for lateral cable outlet on left and right side

Installation:
- NH00 bases in accordance with DIN 43620
- NH2 bases in accordance with DIN 43620

Input terminals:
- Pressure plates Al/Cu, V-clamps Al/Cu
- Box terminals Al/Cu optional

Output terminals:
- Pressure plates Al/Cu, V-clamps Al/Cu
- Box terminals Al/Cu optional (for NH2 bases)

PEN conductor:
- Terminals as with NH bases
- Additional terminal and stepped nipple grommet M25 for PA (M1)
- Separate terminal for PE/N (M2) optional

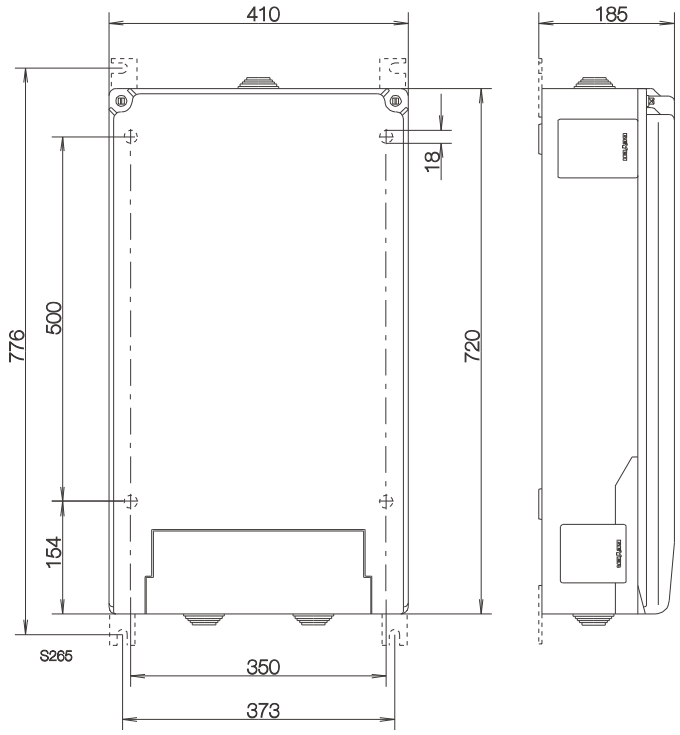
DSO cover:
- 1-piece DSO cover
- For 2/3 circuits: 3-piece DSO cover

Special-purpose variants:
Double breaker lugs upstream of NH bases

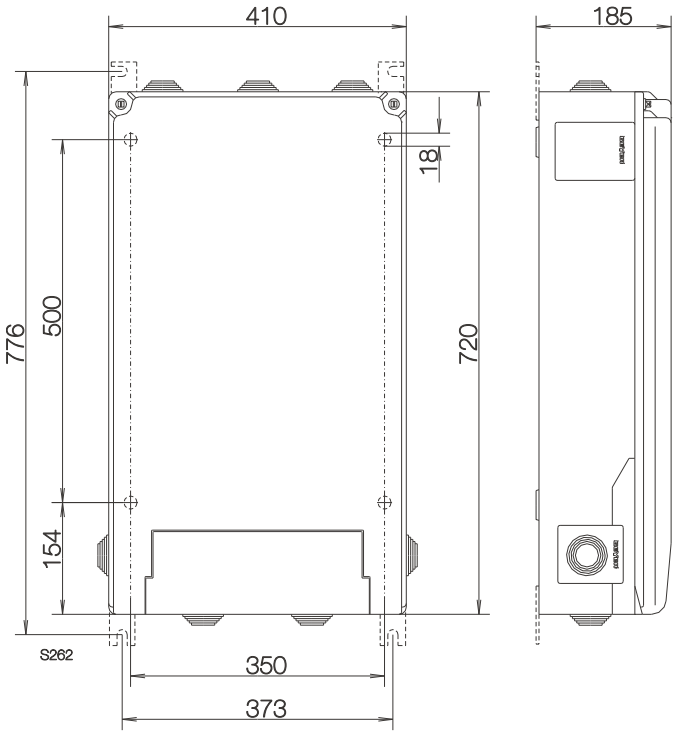
House service box, KH00, KH1 with DIN VDE 0660-505 series K12
Dimensional drawings

KH00, KH1, series K12

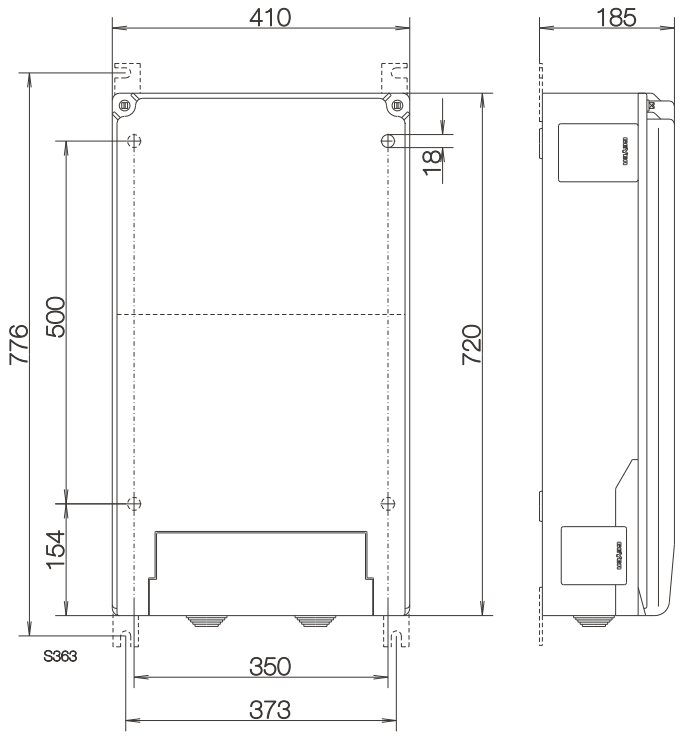
Standard type
93412-0013, 93412-0053, 93412-0033,
93412-0003, 93412-0043



with double breaker lugs
93412-0083, 93412-0073



Enclosure for wall-mounting with sheet-metal
rain cover, 93412-0023





Even more solutions

In addition to a wide range of distribution and house service systems, EFEN offers safety interfaces as per DIN 43627 for house service connections.

System
Complementing the range of distribution and house service systems, EFEN offers a multitude of solutions for overhead-line and junction boxes. These products optimally complement the end-to-end, safe power supply up to the consumer.

Features
Robust quality and a comprehensive range of accessories offer the optimum solution for every application.



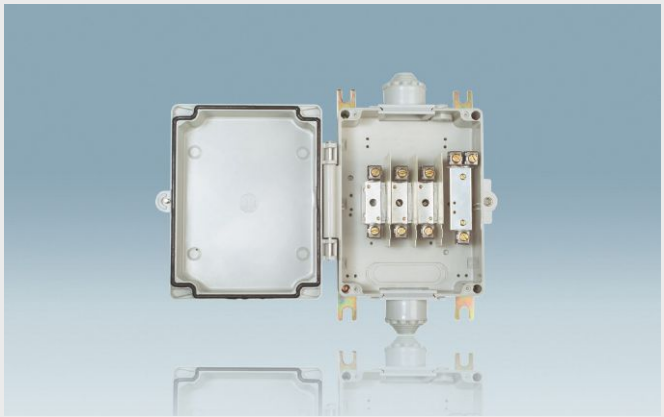
More solutions

Flush-mounted cable house service boxes	page 438
Overhead-line house service boxes	page 439
Junction boxes	page 443
Technical data	page 444
Cross-Reference-List	page 452

Flush-mounted boxes
Particularly suited for space-restricted applications



Reliable connection
Line interface boxes of hight quality



On top
Overhead-line house service boxes as per DIN 43637



Flush-mounted house service boxes
Series K20 in accordance with DIN VDE 0660-505

▶ Technical data, 444
Dimensional drawing, page 445



93420-0100

Flush-mounted house service box WKH 00-A in accordance with DIN 43627-3

Features:
- PEN M1.1 (2 x terminals at output)
- PEN 4.1 (3 x terminals at output) available as an option

Designation	PU	Product designation	Order no.
Flush-mounted house service box WKH 00-A in accordance with DIN 43627, series K20, 100 A, inlet = 1	1	WKH00-A K20 1EF	**93420-0100**
Flush-mounted house service box WKH 00-A in accordance with DIN 43627, series K20, 100 A, inlet = 2, loop-through variant	1	WKH00-A K20 2EF	**93420-2100**

Flush-mounted house service box
Series K20, accessories

Flush-mounted house service box WKH 00-A in accordance with DIN 43627-3
Accessories for flush-mounted house service boxes K20

Designation	PU	Product designation	Order no.
Polystyrene tray for thermal insulation, WKH 00-A, K20	1	Styroporwanne WKH 00-A, K20	**93855-5340**
Wall staples for plastering WKH00-A/K20, with screws	1	Mauerkrampenbausatz WKH00-A/K20	**93815-9461**
Mounting angle for cavity walls / exterior insulation using screws, wall staples, WKH 00-A, K20	1	Nachrüstsatz Hohlwandmont. WKH 00-A, K20	**93855-5914**
Construction site connection with M 50 thread and earth conductor, WKH 00-A, K20	1	Bauanschlussrahmen WKH 00-A K20	**93855-9094**

Overhead-line house service boxes
FAS, FCS in accordance with DIN 43637

▶ Technical data, 446, 448
Dimensional drawing, page 447, 449



93424-0013

Series F14, FCS in accordance with DIN 43637

Features:
- Cable inlet: Prepared for tube mounting
- Cable output: Drop-in conduit base M50/29
- PEN M1.1: 2 x terminals at output
- Parts to be procured: Inlet kit

Designation	PU	Product designation	Order no.
Overhead-line house service box F14, 1 x cable output, Output: Steel-box flat-clamp 6 – 70 mm² Al/Cu Input: Steel-box V-clamp 10 – 95 mm² Al/Cu	1	FHAK14 1xAbg. 6-70mm²/Zug. 10-95mm²	**93424-0013**
Overhead-line house service box F14, 2 x cable output, Output and input: Pressure plate 10 – 50 mm² Cu/Al	1	FHAK14 2xAbg. 10-50mm²	**93424-0023**

Series F16, FCS in accordance with DIN 43637

Features:
- Cable inlet: Prepared for tube mounting
- Cable output: Drop-in conduit base M50/29
- PEN M1.1: 2 x terminals at output
- Parts to be procured: Inlet kit

Designation	PU	Product designation	Order no.
Overhead-line house service box F16, 2 x cable output, Output and input: Pressure plate 10 – 50 mm² Cu/Al	1	FHAK16 2xAbg. 10-50mm²	**93426-0033**



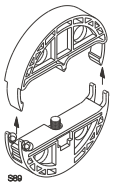
93427-0013

Series F17

Features:
- Cable inlet: Prepared for tube mounting
- Cable output: Drop-in conduit base M50/29
- PEN M1.1: 2 x terminals at output
- Parts to be procured: Inlet kit

Designation	PU	Product designation	Order no.
Overhead-line house service box F17, 2 x cable output, Output and input: Pressure plate 10 – 50 mm² Cu/Al	1	FHAK17 2xAbg. 10-50mm²	**93427-0013**

Overhead-line house service boxes
Accessories for ribbon cable YDSA/NYDY 16/25/35 mm²

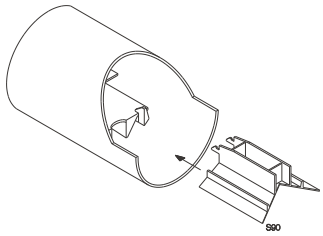


93815-6929

Spacing discs in acc. with DIN 43/637

Features:
- Sets the spacing of the conductors to the roof service mast

Designation	PU	Product designation	Order no.
Spacing disc for ribbon cable YDSA/NYDY, DIN 43637, for roof service masts with 3 1/2“ tube, for conductors 4 x 16 mm² + control line, 2-piece variant, snaps onto ribbon cable	1	FHAK-Distanzscheibe 3 1/2“ 4 x 16 mm², YDSA/NYDY	**93815-6929**
Spacing disc for ribbon cable YDSA/NYDY, DIN 43637, for roof service masts with 3“ tube, for conductors 4 x 16 – 35 mm² + control line	1	FHAK-Distanzscheibe 3“ 4 x 16 - 35 mm², YDSA/NYDY	**93815-6919**
Spacing discs in acc. with DIN 43637 for overhead-line house service boxes, 3 1/2“ tube, conductors 4 x 16 mm², ribbon cable YSDA/NYDY 16/25/35 mm²	1	FHAK-Distanzscheibe 3 1/2“ 4 x 16 - 35 mm², YDSA/NYDY 16/25/35 mm²	**93815-6930**
Spacing disc for ribbon cable YDSA/NYDY, DIN 43637, for roof service masts with 3 1/2“ tube, for conductors 4 x 16 – 35 mm² + control line	1	FHAK-Distanzscheibe 3 1/2“ 4 x 16 - 35 mm², YDSA/NYDY	**93815-6920**

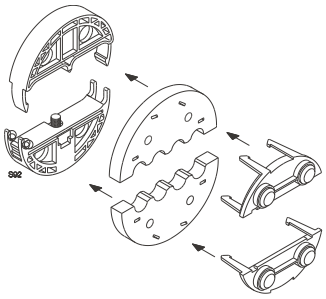


93815-6911

Diverter DSU DIN 43637

Features:
- For diverting the feed line at a specified spacing in the area of the roof service mast opening

Designation	PU	Product designation	Order no.
Diverter DSU DIN 43637 for 3“ – 3 1/2“ tube, ribbon cable YDSA/NYDY 16/25/35 mm², for conductors 4 x 16/25/35 mm² + 2 control lines	1	Umlenkstück 3-31/2 4x16/25/35 LF	**93815-6911**
Diverter DSU DIN 43637 for 3“ – 3 1/2“ tube, ribbon cable YDSA/NYDY 16/25/35 mm², for conductors 4 x 16/25/35 mm² + 2 control lines, without spacer for control lines	1	Umlenkstück 3-31/2 4x16/25/35 LF ohne Distanzstück	**93815-6925**



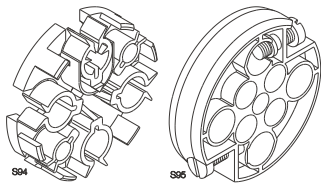
93815-6921

Insulating discs

Features:
- Reduces water condensation inside the roof service mast
- Complete with spacing disc and snapped-on tube sealing kit

Designation	PU	Product designation	Order no.
Insulting disc kit for roof service mast, 3“ tube, single-strand line 4 x 16 mm²	1	FHAK-Dämmscheibe 3“, 4 x 16 mm², Leiter	**93815-6921**
Insulting disc kit for roof service mast, 3 1/2“ tube, conductor 4 x 35 mm², ribbon cable YSDA/NYDY 16/25/35 mm²	1	FHAK-Dämmscheibe 3 1/2“ 4 x 35 mm², YSDA/NYDY	**93815-6933**

Overhead-line house service boxes
Accessories for single-strand line 10 – 70 mm²

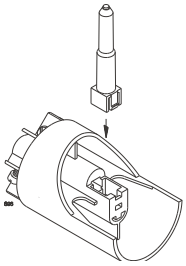


93815-6916

Spacing discs in acc. with DIN 43/637

Features:
- Ensures the correct spacing of conductors inside the roof service mast

Designation	PU	Product designation	Order no.
Spacing disc for single-strand line 10 – 70 mm², DIN 43637, for roof service masts with 3“ tube, for conductors 16 – 35 mm² + control line	1	FHAK-Distanzscheibe 3“ 16 - 35 mm², Leiter	**93815-6916**
Spacing disc for single-strand line 10 – 70 mm², DIN 43637, for roof service masts with 3“ tube, for conductors 10 – 50 mm² + control line	1	FHAK-Distanzscheibe 3“ 10 - 50 mm², Leiter	**93815-6917**
Spacing disc for single-strand line 10 – 70 mm², DIN 43637, for roof service masts with 3 1/2“ tube, for conductors 16 – 35 mm² + control line	1	FHAK-Distanzscheibe 3 1/2“ 16 - 35 mm², Leiter	**93815-6915**
Spacing disc for single-strand line 10 – 70 mm², DIN 43637, for roof service masts with 3 1/2“ tube, for conductors 10 – 50 mm² + control line	1	FHAK-Distanzscheibe 3 1/2“ 10 - 50 mm², Leiter	**93815-6914**
Spacing discs in acc. with DIN 43 637 for overhead-line house service boxes, 3 1/2“ tube, conductors 4 x 16 mm², single-strand line 10 – 70 mm²	1	FHAK-Distanzscheibe 3 1/2“ 4 x 16 mm², Leiter	**93815-6913**

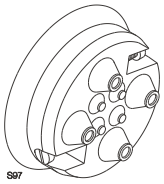


93815-6912

Diverter DSU DIN 43637

Features:
- For diverting the feed line at a specified spacing in the area of the roof service mast opening

Designation	PU	Product designation	Order no.
Diverter DSU DIN 43637 for 3“ – 3 1/2“ tube, single-strand line 10 – 70 mm², for conductor 10 – 50 mm², screw-type attachment (4)	1	Umlenkstück 3-31/2 10-50 LE	**93815-6912**



93815-6924

Insulating discs

Features:
- Reduces water condensation inside the roof service mast
- Is supplied as complete insulating disc comprising spacing disc and fitted tube seal

Designation	PU	Product designation	Order no.
Insulting disc kit for roof service mast, 3“ tube, single-strand line 10 – 50 mm²	1	FHAK-Dämmscheibe 3“, 10 - 50 mm², Leiter	**93815-6924**
Insulting disc kit for roof service mast, 3 1/2“ tube, single-strand line 16 – 70 mm²	1	FHAK-Dämmscheibe 3 1/2“ 16 - 70 mm², Leiter	**93815-6934**

Insulating discs

Features:
- For plastic-insulated multiple-strand cables and shielded lines

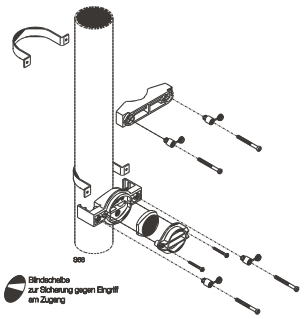
Designation	PU	Product designation	Order no.
Insulating disc for single-strand line 10 – 70 mm², for plastic-insulated multiple-strand cables and shielded lines, 3 1/2“ tube, for conductors 4 x 16 mm² + control line	1	FHAK-Dämmscheibe 3 1/2“ 4 x 16 mm², Kunststoff	**93815-6935**

Lubricant

Features:
- Lubricating paste making it easier to feed in the insulating discs without causing damage

Designation	PU	Product designation	Order no.
Lubricating paste assisting in feeding-in insulating discs without causing damage (50 gr. tube)	1	FHAK-Spezialpaste 50 gr.	**93815-0547**

Overhead-line house service boxes
Accessories



93815-9106

Conversion kits

Features:
- For house service boxes of series K3 and K4
- Allows house service boxes to be mounted to overhead line masts
- Sealed, with spaced grommet inlet

Designation	PU	Product designation	Order no.
Conversion kit K3/K4 for overhead line – single-strand line 4 x 16 – 50 mm²	1	HAK Freil. K3/K4 4x16-50 LE	**93815-9106**
Conversion kit K3/K4 for overhead line – ribbon cable 4 x 16 mm²	1	HAK Freil. K3/K4 4x16 LF	**93815-9109**
Conversion kit K3/K4 for overhead line – ribbon cable 4 x 25/35 mm²	1	HAK Freil. K3/K4 4x25/35 LF	**93815-9110**
Conversion kit for roof service mast mounting of house service box, open inlet	1	HAK Dachständerbefest. offene Einf.	**93810-9108**

Inlet kit

Features:
- For overhead-line house service boxes of series F14 if specifically prepared for this purpose and for series F16/17

Designation	PU	Product designation	Order no.
Conversion kit F14/F16/F17 for overhead line – single-strand line 4 x 16 – 50 mm²	1	FHAK Freil. F14/F16/F17 4x16-50 LE	**93815-9139**
Conversion kit F14/F16/F17 for overhead line – ribbon cable 4 x 16 mm²	1	FHAK Freil. F14/F16/F17 4x16-50 LF	**93815-9145**
Conversion kit F14/F16/F17 for overhead line – ribbon cable 4 x 25 mm² / 35 mm²	1	FHAK Freil. F14/F16/F17 4x16-50 LF	**93815-9146**
Conversion kit F14/F16/F17 for overhead line without spacing and seal for tube attachment	1	FHAK Freil. F14/F16/F17 ohne Distanz./Dichtung	**93815-9141**


93815-6409

Seal of line inlet for overhead-line house service boxes

Features:
- For single-strand lines 16 – 50 mm²

Designation	PU	Product designation	Order no.
Seal for line inlet, pressure plate, single-strand line 16 – 50 mm²	1	FHAK-Druckplatte Flachb. 16 - 50 mm²	**93815-6409**
Seal for line inlet, sealing plate, ribbon cable 16 – 35 mm²	1	FHAK-Dichtplatte Flachb. 16 - 35 mm²	**93815-1061**


93815-6454

Seal of line inlet for overhead-line house service boxes

Features:
- For ribbon cables 16 – 35 mm²

Designation	PU	Product designation	Order no.
Seal for line inlet, pressure plate, ribbon cable 16 – 35 mm²	1	FHAK-Druckplatte Flachb. 16 - 35 mm²	**93815-6454**
Sealing plate for ribbon cable 16 mm², for overhead-line house service box	1	FHAK-Dichtplatte Flachb. 16 mm²	**93815-1117**
Sealing plate for ribbon cable 25/35 mm², for overhead-line house service box	1	FHAK-Dichtplatte Flachb. 25/35 mm²	**93815-1118**


93815-9606


93815-9635

Clamps for roof service mast with 3 – 3 1/2“ tube

Features:
- For ribbon cables 16 – 35 mm²

Designation	PU	Product designation	Order no.
Clamps for roof service mast with 3 – 3 1/2“ tube, top part	1	Dachständerschelle 3 - 3 1/2“, Obert.	**93815-9606**
Insulating disc kit for roof service mast, 3“ tube, conductors 10 – 50 mm²			**93815-9635**

Junction boxes

▶ Technical data, 450
Dimensional drawing, page 451

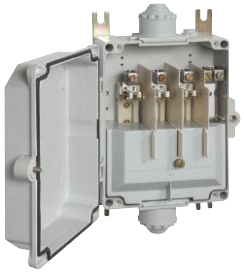


93430-0043

Series F4

Features:
- Dimensions (W x H x D): 180 x 160 x 100 mm
- Hinged door with drilled bolt for sealing wire
- 1 input and output: Intermediate conduit base with nipple grommet Pg 21

Designation	PU	Product designation	Order no.
Junction box, line interface box F4,1 x 3DII, 15 A, 1 x input and output, input: Terminal 4 – 10 mm² Al/Cu, output: 2.5 – 10 mm² Al/Cu	1	HAK F1 1x3DII Zug. 4-10/Abg. 2,5-10 ST	**93430-0043**



93431-0073

Series F7

Features:
- Dimensions (W x H x D): 180 x 233 x 110 mm
- Hinged door with drilled bolt for sealing wire
- 1 input and output: Drop-in conduit base Pg36/29

Designation	PU	Product designation	Order no.
Junction box, line interface box F7, 1 x 3NH00, 63 A, 1 x input and output, Input: Steel-box V-clamp 10 – 95 mm² Al/Cu Output: Flat steel box clamp 6 – 70 mm² Al/Cu	1	HAK F7 1x3NH00 Zug. 10-95/Abg. 6-70 ST	**93431-0073**



93432-0103

Series F10

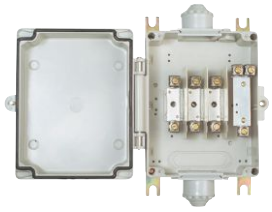
Features:
- Dimensions (W x H x D): 235 x 245 x 110 mm
- Hinged door with drilled bolt for sealing wire
- 1 input and output: Intermediate flange with nipple grommet M50/29

Designation	PU	Product designation	Order no.
Junction box, line interface box F10, 1 x 3NH00, 63 A, 1 x input and output, Input: Steel-box V-clamp 10 – 95 mm² Al/Cu Output: Flat steel box clamp 6 – 70 mm² Al/Cu	1	HAK F10 1x3NH00 Zug. 10-65/Abg. 6-70 ST	**93432-0103**

Series F14

Features:
- Dimensions (W x H x D): 235 x 300 x 130 mm
- Hinged door with drilled bolt for sealing wire
- 1 input and output: Drop-in conduit base M50/29

Designation	PU	Product designation	Order no.
Junction box, line interface box F14, 1 x 3 NH00, 100 A, 2 outputs, 1 x input and output, pressure plates 10 – 50 mm² Cu/Al	1	HAK F14 1x3NH00 Zug. 10-50/Abg. 10-50 ST	**93433-0143**



93490-0000

Line interface boxes, protection class IP 54

Features:
- Enclosure: Glass-fibre-reinforced polyester of type FS 803 in accordance with DIN 16911
- Dimensions (W x H x D): 235 x 180 x 110 mm
- Hinged door with drilled bolt for sealing wire
- Protection class IP 54
- Input and output: Drop-in conduit base M50/29
- Steel-box flat-clamps 6 – 70 mm²
- 5 individual terminals (L1, L2, L3, N, PE) available as an option

Designation	PU	Product designation	Order no.
Line interface boxes IP54, standard variant	1	Leitungsübergangskasten ST	**93490-0000**

Flush-mounted house service box
Series K20

Variant:
Degree of protection: IP54
Enclosure made of pressed polyester mass of type 833.5, with polystyrene tray for thermal insulation

Colour:
Aluminium with synthetic-resin base coat, RAL 9010 pure white

Dimensions:
(W x H x D) 408 x 488 x 170 mm

Locking mechanism:
Box lock with rain cover, prepared for lock cylinder

Input:
1 or 2 inlet grommets with membrane seal

Output:
Separately provided nipple grommets with knock-outs for top or bottom output
right/left/rear

Installation:
NH00 ceramic bases in accordance with DIN 43620

Input terminals:
Steel-box V-clamps 10 – 95 mm² Al/Cu

Output terminals:
Steel-box flat-clamps 6 – 70 mm² Al/Cu

PEN conductor:
Terminals as with NH bases, additional terminal for POT and nipple grommet M25 (M 1.1),
additional terminal for earth conductor (M 4.1) optional

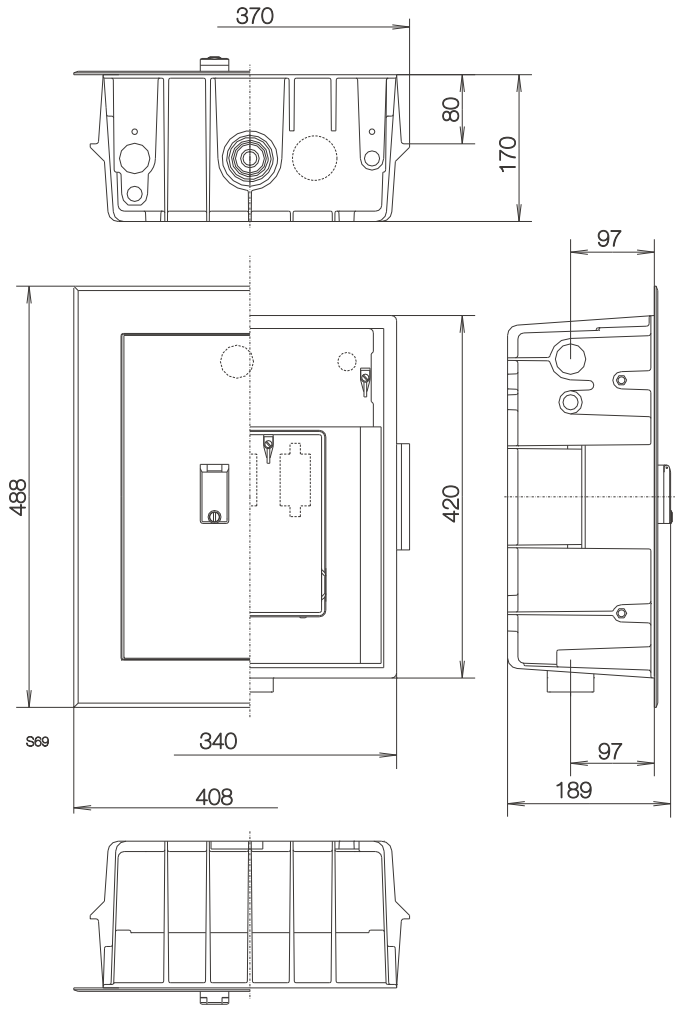
Order no.		Pre-assembled variants	Cable inlets	Input terminals mm²	Output terminals mm²
93420-0100		1 x 3 NH00 I_n = 100 A	1	Steel-box V-clamp 10 – 95 mm² Al/Cu	Steel-box flat-clamp 6 – 70 mm² Al/Cu
93420-2100		1 x 3 NH00 I_n = 100 A	2	2 x pressure plate 10 – 50 mm² Al/Cu	Pressure plate 6 – 70 mm² Al/Cu

Product benefits

- Interface between public grid and consumer system
- Suitable for installation in outer walls
- Degree of protection: IP54

Flush-mounted house service box
Dimensional drawing

Series K20



Overhead-line house service boxes
Series F14

Variant:
Degree of protection: IP54
Glass-fibre-reinforced polyester of type FS 803

Colour:
RAL 7035 light grey

Dimensions:
(W x H x D) 235 x 300 x 130 mm

Enclosure cover:
Glass-fibre-reinforced polyester of type FS 803

Input/mounting types:
(optional, accessory):
Tube clamp bottom parts for attachment to roof service mast, press-fitted with 2 steel top parts for 3 – 3 1/2“ tubes, inlet grommet, either open and unsealed (N-type) or sealed with spacers

Output:
Drop-in conduit base, elevated base with sealing nipple optional

Installation:
NH00 ceramic bases in accordance with DIN 43620

Input terminals:
Pressure plates 10 – 50 mm² Al/Cu

Output terminals:
Pressure plates 10 – 50 mm² Al/Cu

Knock-outs:
Knock-outs for M50 conduits in sidewalls at top and bottom

PEN conductor:
Terminals as with NH bases, additional terminal for POT and nipple grommet M25 (M 1.1), additional terminal for earth conductor (M 4.1) optional

Special-purpose variants:
Enclosure prepared for the installation of street lighting elements, fits one or two street lighting elements of size D0 if tube-mounted and if used for only one circuit.

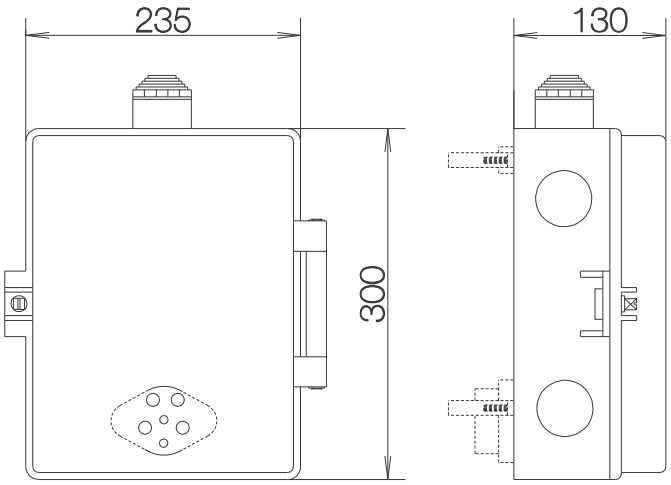
Order no.		Variants including installation	Cable outlets	Input terminals mm²	Output terminals mm²
93424-0013		1 x 3 NH00 I_n = 100 A	1	Steel-box V-clamp 10 – 95 mm² Al/Cu	Steel-box flat-clamp 6 – 70 mm² Al/Cu
93424-0023		1 x 3 NH00 $\sum I_n$ = 100 A	2	Pressure plate 10 – 50 mm² Al/Cu	2 x pressure plate 10 – 50 mm² Al/Cu

Product benefits

- Interface between public grid and consumer system
- Protection class IP54 for all series

Overhead-line house service boxes
Dimensional drawing

Series F14



Overhead-line house service boxes
Series F16/17

Variant:
Degree of protection: IP54
Glass-fibre-reinforced polyester of type FS 803

Colour:
RAL 7035 light grey

Dimensions:
F16: (W x H x D) 313 x 313 x 170 mm
F17: (W x H x D) 313 x 470 x 170 mm

Enclosure cover:
Glass-fibre-reinforced polyester of type FS 803, clear cover made of polycarbonate optional

Input/mounting types:
Tube-mounting clamps of roof service masts, 3 – 3 1/2“ upper and lower part, inlet grommet included but not installed

Output:
Intermediate conduit base with nipple grommet

Installation:
NH00 bases in accordance with DIN 43620
NH2 bases in accordance with DIN 43620

Input terminals:
Pressure plates Al/Cu

Output terminals:
Pressure plates Al/Cu

Knock-outs:
Knock-outs for M50 conduits in sidewalls at top and bottom

PEN conductor:
Terminals as with NH bases, additional terminal for POT and nipple grommet M25 (M 1.1),
additional terminal for earth conductor (M 4.1) optional

Special-purpose variants:
Enclosure prepared for installation of street lighting elements, tube-mounting only.

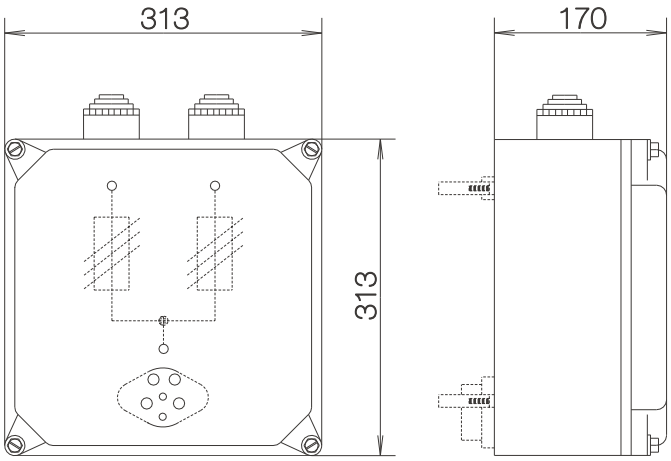
Order no.		Pre-assembled variants	Cable outlets	Input terminals mm²	Output terminals mm²
93426-0033		2 x 3 NH00 $\sum I_n$ = 100 A	2	Pressure plate 10 – 50 mm² Al/Cu	2 x pressure plate 10 – 50 mm² Al/Cu
93427-0013		2 x 3 NH00 $\sum I_n$ = 2 x 100 A	2	Pressure plate 10 – 50 mm² Al/Cu	2 x pressure plate 10 – 50 mm² Al/Cu

Product benefits

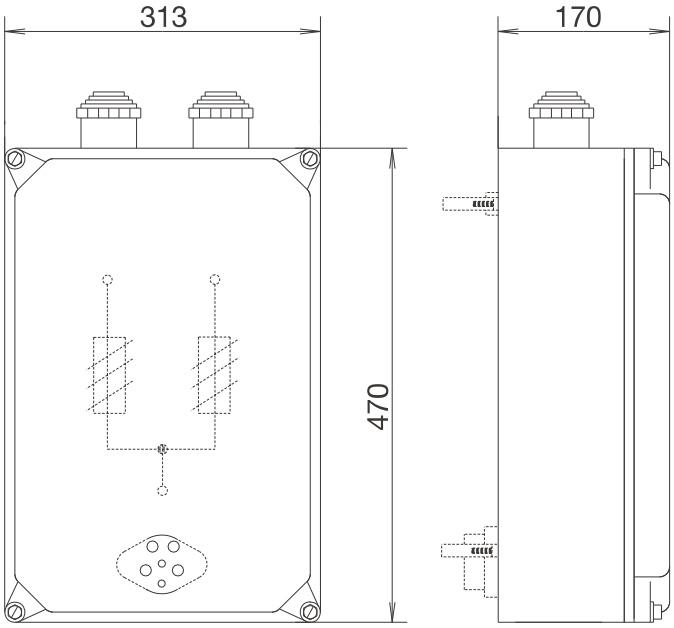
- Interface between public grid and consumer system
- Protection class IP54 for all series

Overhead-line house service boxes
Dimensional drawings

Series F16



Series F17



Junction boxes
Series F4, F7, F10, F14

Variant:
Degree of protection: IP54
Glass-fibre-reinforced polyester of type FS 803 in accordance with DIN 16911

Colour:
RAL 7035 light grey

Installation:
NH00 bases, D-elements

Mounting type:
4-point external mounting

Equipment:
When fitted with D-elements:
Interior cover against contact
with plug-in DSO cover

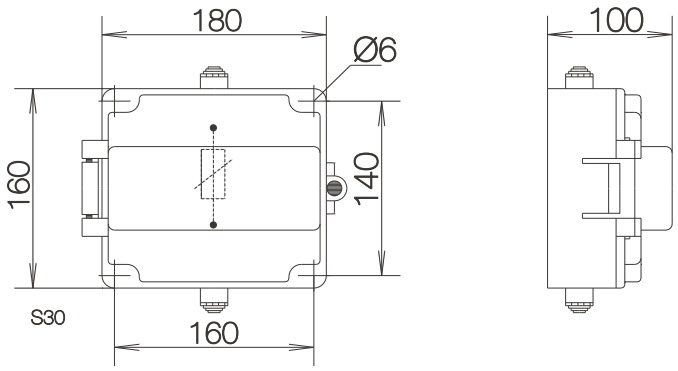
Order no.		Pre-assembled variants	Cable inputs	Cable outlets	Input terminals mm²	Output terminals mm²	Terminals
93430-0043		1 x 3 DII 25 A	1	1	4 – 10 mm²	2.5 – 10 mm² (terminal)	PE/N terminal
93431-0073		1 x 3 NH00 I_n = 63 A	1	1	Steel-box V-clamp 10 – 95 mm² Al/Cu	Steel-box flat-clamp 6 – 70 mm² Al/Cu	PEN/N M 1.1: 2 x terminal / nipple grommet Pg 13.5 top right
93432-0103		1 x 3 NH00 I_n = 63 A	1	1	Steel-box V-clamp 10 – 95 mm² Al/Cu	Steel-box flat-clamp 6 – 70 mm² Al/Cu	PE/N M 1: 2 x terminal
93433-0143		1 x 3 NH00 $\sum I_n$ = 100 A	1	2	Pressure plate 10 – 95 mm² Al/Cu	2 x pressure plate 10 – 50 mm² Al/Cu	PE/N M1.1: 2 x terminal / nipple grommet Pg 16 (POT)

Product benefits

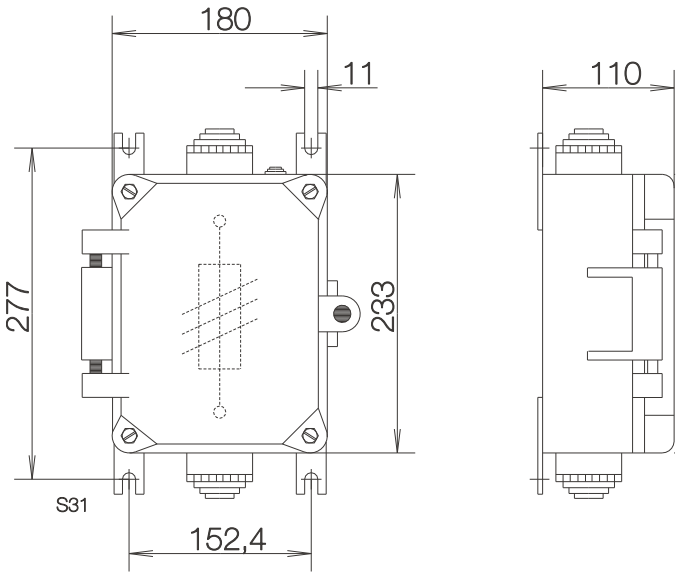
- Interface between public grid and consumer system
- Protection class IP54 for all series

Overhead-line house service boxes
Dimensional drawings

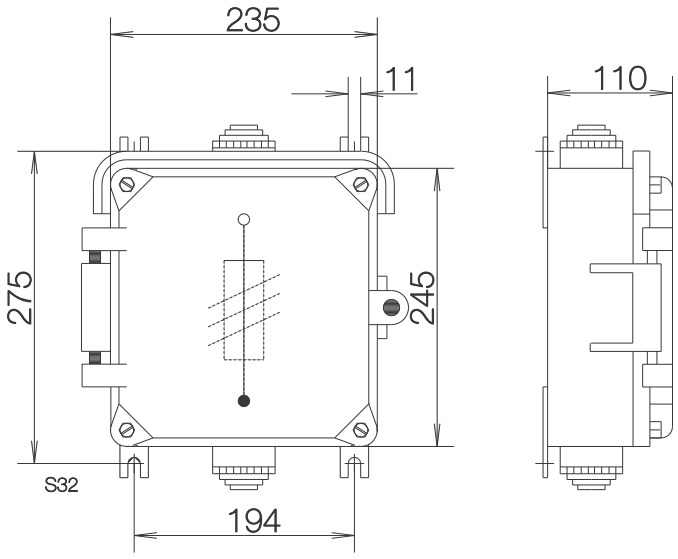
Series F4



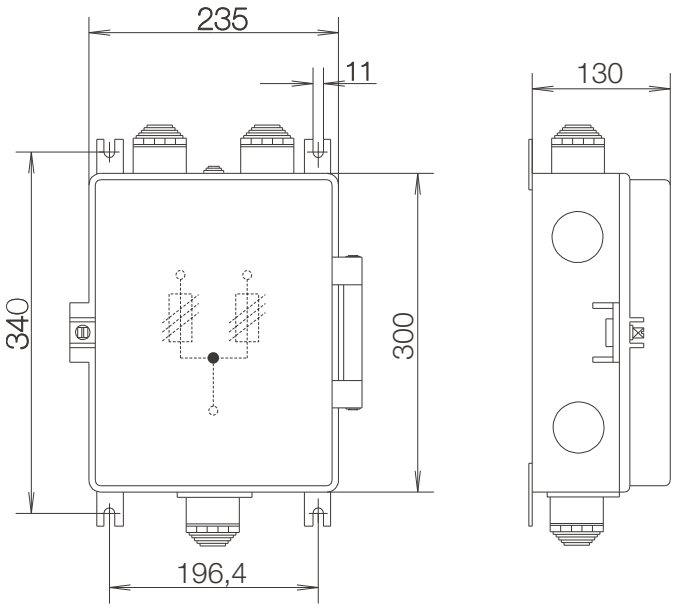
Series F7



Series F10

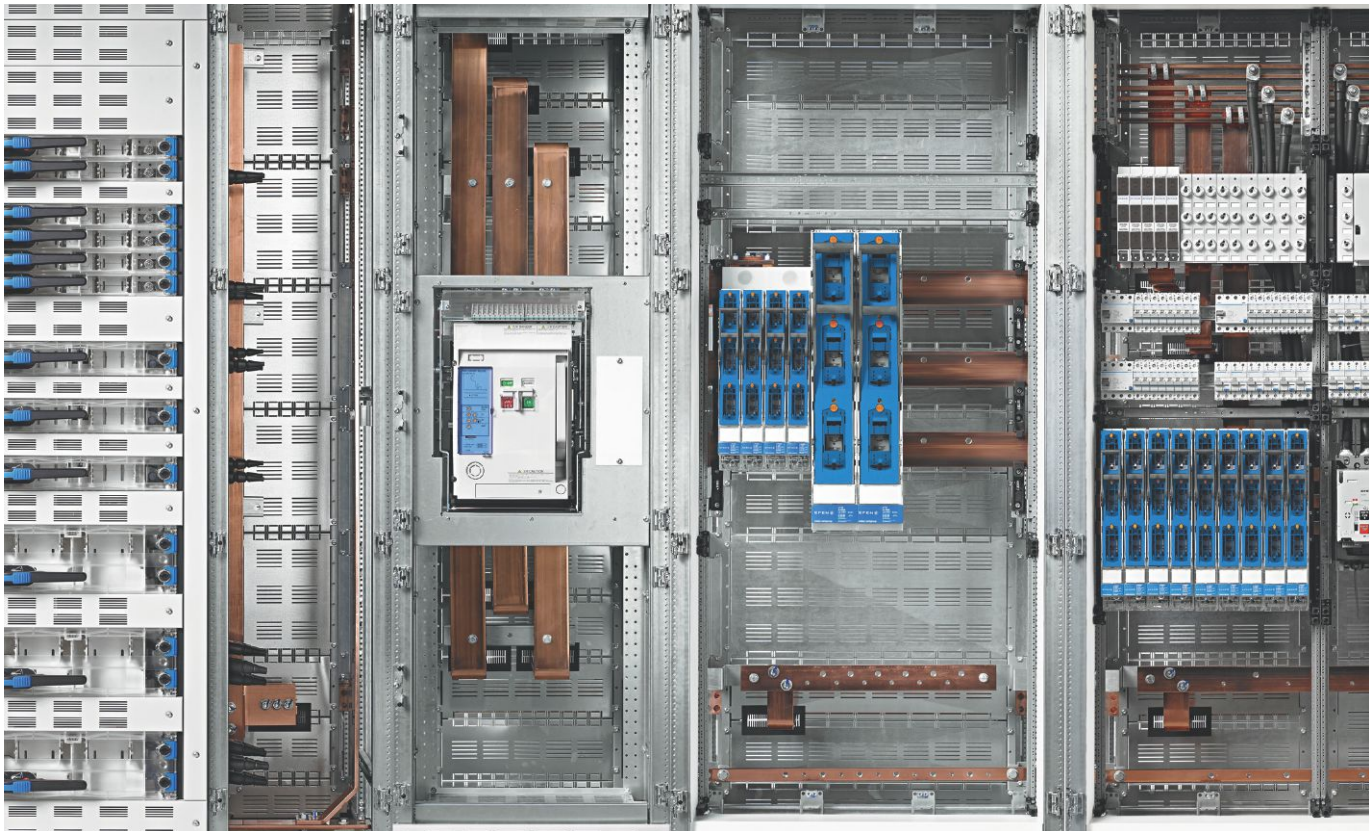


Series F14



Cross-reference list

Type	Order no.	Type	Order no.	Type	Order no.	Type	Order no.
1		6		S		SL135P	93251-0211
10547	93815-0547	60138	93820-0138	SF100A	93102-0332	SL135PA	93251-0511
10612500	93424-0013	64000	93810-4000	SF100B	93102-0342	SL142	93260-0010
10612600	93424-0023	69846	93820-9846	SF101A	93112-0332	SL142P	93260-0211
10612780	93426-0033			SF101B	93112-0342	SL152	93262-0010
10613280	93427-0013	7		SF102A	93122-0332	SL152P	93262-0211
14430100	93420-0100	75914	93855-5914	SF102B	93122-0342	SL154	93191-0000
14432100	93420-2100	75924	93820-5924	SF135M	93251-0030	SL154P	93191-0201
14610700	93430-0043	78842	93820-8842	SH115AAA	93250-0013	SL155	93270-0010
14630200	93431-0073	79461	93815-9461	SH115AAC	93250-0113	SL155P	93270-0211
14630400	93432-0103	8		SH115AAE	93250-0213	SL157	93280-0010
14635211	93433-0143	86911	93815-6911	SH115BAB	93250-0313	SL157P	93280-0211
16113701	93412-0003	86912	93815-6912	SH115BAD	93250-0413	SL162	93261-0010
16113763	93412-3763	86913	93815-6913	SH115CAB	93250-0513	SL162P	93261-0211
16113799	93412-0023	86914	93815-6914	SH115CAD	93250-0613	SL172	93263-0010
16118001	93404-0003	86915	93815-6915	SH135AAA	93251-0013	SL172P	93263-0211
16118641	93404-0013	86916	93815-6916	SH135AAC	93251-0113	SL175	93271-0010
16118642	93404-0023	86917	93815-6917	SH135AAE	93251-0213	SL175P	93271-0211
16119001	93403-0053	86919	93815-6919	SH135BAB	93251-0313	SL177	93281-0010
16119062	93403-0023	86920	93815-6920	SH135BAD	93251-0413	SL177P	93281-0211
16123501	93412-0013	86921	93815-6921	SH135CAB	93251-0513	SL202	93264-0010
16123701	93412-3701	86924	93815-6924	SH135CAD	93251-0613	SL202P	93264-0211
16133501	93412-0033	86925	93815-6925	SH142AAA	93260-0013	SL205	93272-0010
17113701	93412-0043	86929	93815-6929	SH142AAB	93260-0113	SL205P	93272-0211
17118000	93404-0033	86930	93815-6930	SH142AAC	93260-0213	SL207	93282-0010
17123501	93412-0053	86933	93815-6933	SH142BAA	93260-0313	SL207P	93282-0211
17123701	93412-0053	86934	93815-6934	SH142CAA	93260-0413	SX004	93835-0010
17413701	93412-0073	86935	93815-6935	SH142CAB	93260-0513	SX005	93810-1010
17423501	93412-0083			SK080GA	93101-0302	SX006	93835-0110
				SK081GA	93110-0302	SX007	93835-0210
2		9		SK082GA	93120-0302	SX008	93835-1050
26123119	93490-0000	90266	93825-0266	SK084GA	93100-0302	SX009	93835-0150
		90267	93825-0267	SK100GA	93102-0302	SX010	93835-0250
3		90269	93825-0269	SK101GA	93111-0302	SX011	93835-1040
35340	93855-5340	90270	93825-0270	SK102GA	93121-0302	SX012	93835-0140
4		90271	93825-0271	SK142H	93260-0312	SX013	93835-0240
40000414	93810-0414	90272	93825-0272	SK152A	93262-0312	SX014	93835-1030
40000725	93810-0725	90273	93825-0273	SK155A	93270-0312	SX015	93835-0130
41061	93815-1061	90274	93825-0274	SK157A	93280-0312	SX016	93835-0230
41117	93815-1117	90275	93825-0275	SK162H	93261-0312	SX020F	93835-1055
41118	93815-1118	95038	93820-5038	SK172A	93263-0312	SX021F	93835-0155
42406	93810-2406	95075	93820-5075	SK175A	93271-0312	SX022F	93835-0255
44630	Auf Anfrage	95124	93808-0000	SK177A	93281-0312	SX030	93835-1020
44631	Auf Anfrage	95125	93808-0010	SK202A	93264-0312	SX031	93835-0120
45805	93810-5805	95126	93808-0020	SK205A	93272-0312	SX032	93835-0220
46409	93815-6409	95127	93808-0030	SK207A	93282-0312	SX135	93835-0055
46454	93815-6454	D		SL080	93101-0000	SY15Z	93865-0150
46534	93810-6534	DE0410M	93845-0410	SL080P	93101-0201	SY16Z	93865-0160
46535	93810-6535	DE0410TB	93845-0412	SL081	93110-0000	SY17Z	93865-0170
47900	93820-7900	DE0411TA	93845-0411	SL081P	93110-0201	SY18Z	93865-0180
47901	93820-7901	DE0413	93845-0413	SL081V	93110-0401	SY19M	93840-0190
47902	93820-7902	DE0414	93845-0419	SL082	93120-0000	SY41TA	93850-1420
47930	93820-7930	DE0510M	93845-0510	SL082P	93120-0201	SY47433M	93840-1420
49094	93855-9094	DE0510TB	93845-0512	SL082V	93120-0401	SY47434M	93840-1620
49106	93815-9106	DE0511TA	93845-0511	SL084	93100-0000	SY47435M	93840-1750
49108	93810-9108	DE0513	93845-0513	SL084P	93100-0201	SY47436M	93840-2050
49109	93815-9109	DE0515	93845-0515	SL100	93102-0000	SY51T	93850-0051
49110	93815-9110	DE0520M	93845-0520	SL100P	93102-0201	SY52T	93850-1540
49139	93815-9139	DE0523	93845-0523	SL101	93112-0000	SY53T	93850-1570
49141	93815-9141	DE0525	93845-0525	SL101P	93112-0201	SY61T	93850-2020
49145	93815-9145	DE0610M	93845-0610	SL101V	93112-0401	SY62T	93850-2040
49146	93815-9146	DE0613TB	93845-0613	SL102	93122-0000	SY63T	93850-2070
49606	93815-9606	DE0614	93845-0614	SL102P	93122-0201	SY79267M	93840-2020
49626	93820-9626	DE0614TA	93845-0618	SL102V	93122-0401	SY79268M	93840-2070
49635	93815-9635	DE0616	93845-0616	SL115	93250-0010	SY79269M	93840-1720
5		DE0620M	93845-0620	SL115P	93250-0211	SY79270M	93840-1770
50994	93820-0994	DE0624	93845-0624	SL130	93103-0000	SY79271M	93840-1520
51692	93810-1692	DE0626	93845-0626	SL130P	93103-0201	SY79272M	93840-1550
51693	93810-1693	DY98570S	93820-8570	SL131	93113-0000	SY79273M	93840-1570
52843	93810-2843	DY98579S	93820-8579	SL131P	93113-0201		
55045	93810-5045	DY98580S	93820-8580	SL132	93123-0000		
55517	93820-5517	DY98581S	93820-8581	SL132P	93123-0201		
55593	93820-5593			SL132V	93123-0401		
55696	93820-5693			SL135	93251-0010		
				SL135A	93251-0033		



System Extensions

As a specialist for safety interfaces, EFEN offers a wide range of solutions for complex requirements to ensure safe power distribution.



Surge Arrestors
For low-voltage overhead-line grids. Metal-oxide varistors in robust and aging-resistant ceramic housings. The surge arrestors are available as isolated and unisolated versions for various mounting types and terminals.

Product overview page 457



System Accessories
A further range of system accessories for fuse-links and power distribution components offers plant designers and switchgear engineers a nearly unlimited scope of options.

Product overview page 462



Surge Arrestor

As a specialist for safety interfaces, EFEN provides surge arrestors for power distribution grids that respond to power surges within nanoseconds, thereby reliably preventing damage.

System

The low-voltage surge arrestors are equipped with metal-oxide varistors installed in robust and aging-resistant ceramic housings. The arrestors respond within nanoseconds to produce a low residual voltage, thereby offering a high degree of protection against overvoltage.

Features

The surge arrestors are available as insulated and uninsulated variants for multiple mounting types and terminals. Tripped surge arrestors are easily identified by the catch strap.



Surge Arrestors

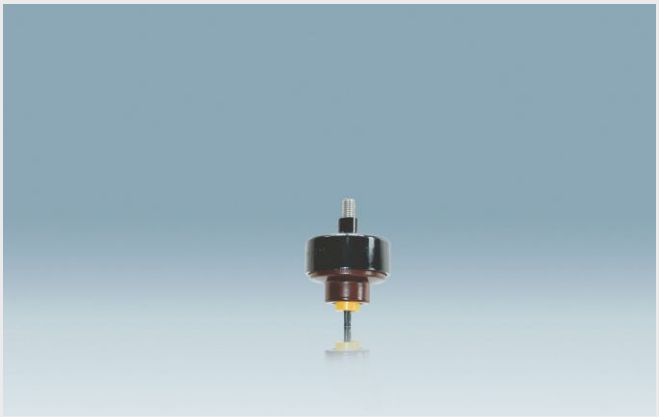
Low-voltage surge arrestors page 458

Technical data page 460

Surge Arrestor
Unisolated variant



Surge Arrestor
Isolated variant



Surge Arrestor
with cable catch-strap



Low-voltage surge arrestors

▶ Technical data, page 460



69611-0040

Low-voltage surge arrestors

Features:
- Without catch strap – 5 kA / 10 kA

Designation	Connection	Length	In kA	Uc V	PU	Product designation	Order no.
Mounting bracket with clamp	End sleeve	650	5	280	6	ONA 280V 5KA ZNO 650 OS UH	**69611-0040**
Mounting bracket with clamp	CuAl sleeve	650	5	280	6	ONA 280V 5KA ZNO 650 OS UC	**69613-0040**
Mounting bracket with clamp	End sleeve	650	10	280	6	ONA 280V 10KA ZNO 650 OS UH	**69811-0040**
Mounting bracket with clamp	End sleeve	770	5	280	6	ONA 280V 5KA ZNO 770 OS UH	**69611-0050**
Mounting bracket with clamp	Cable lug	770	5	280	6	ONA 280V 5KA ZNO 770 OS UK	**69612-0050**
Mounting bracket with clamp	End sleeve	770	10	280	6	ONA 280V 10KA ZNO 770 OS UH	**69811-0050**
Mounting bracket with clamp	End sleeve	1000	5	280	6	ONA 280V 5KA ZNO 1000 OS UH	**69611-0060**
Mounting bracket with clamp	End sleeve	1000	10	280	6	ONA 280V 10KA ZNO 1000 OS UH	**69811-0060**
Stud terminal M8 x 25, non-insulated	Unassembled	550	5	280	6	ONA 280V 5KA ZNO 550 OB M8X25 UU	**69624-0070**
Stud terminal M8 x 25, non-insulated	End sleeve	650	5	280	6	ONA 280V 5KA ZNO 650 OB M8X25 UH	**69621-0040**
Stud terminal M8 x 25, non-insulated	End sleeve	650	10	280	6	ONA 280V 10KA ZNO 650 OB M8X25 UH	**69821-0040**
Stud terminal M8 x 25, insulated	End sleeve	650	5	280	6	ONA 280V 5KA ZNO 650 OB M8X25 IS UH	**69641-0040**
Stud terminal M8 x 25, insulated	End sleeve	770	5	280	6	ONA 280V 5KA ZNO 770 OB M8X25 IS UH	**69641-0050**
Stud terminal M8 x 25, insulated	End sleeve	1000	5	280	6	ONA 280V 5KA ZNO 1000 OB M8X25 IS UH	**69641-0060**
Stud terminal M8 x 25, insulated	End sleeve	650	10	280	6	ONA 280V 10KA ZNO 650 OB M8X25 IS UH	**69841-0040**
Stud terminal M8 x 25, insulated	End sleeve	650	10	500	6	ONA 500V 10KA ZNO 650 OB M8X25 IS UH	**69941-0040**
ONA 280V 5KA ZNO 1000 OB M8X25 UH Z1					6	ONA 280V 5KA ZNO 1000 OB M8X25 UH Z1	**69621-5060**
Stud terminal M8 x 25, i nsulated	Unassembled	1000	5	500	1	ONA 500V 5KA ZNO 1000 OB M8X25 UU Z1	**69721-5160**
Stud terminal M8 x 25, insulated	Unassembled	1000	5	500	6	ONA 500V 5KA ZNO 1000 OB M8X25 IS UU Z3	**69741-6160**
Stud terminal M8 x 25, insulated	Unassembled	1000	5	500	6	ONA 500V 5KA ZNO 1000 OB M8X25 IS UU Z4	**69741-7160**
Stud terminal M8 x 25, insulated	Unassembled	1000	5	500	6	ONA 500V 5KA ZNO 1000 OB M8x25IS Z6 UU	**69741-8160**
Stud terminal M8 x 25, insulated	Unassembled	1000	5	500	6	ONA 500V 5KA ZNO 1000 OB M8x25IS Z5 UU	**69744-9060**
Stud terminal M8 x 30, insulated	Unassembled	1000	5	500	6	ONA 500V 5KA ZNO 1000 OB M8x30IS Z1 UU	**69764-5160**

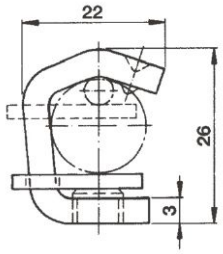


69841-0150

Low-voltage surge arrestors

Features:
- With catch strap – 10 kA

Designation	Connection	Length	In kA	Uc V	PU	Product designation	Order no.
Bolt M8 x 25, insulated	End sleeve	650	10	280	6	ONA 280V 10KA ZNO 650 OB M8X25 IS UH SA	**69841-0150**





69500-0010

Accessories

Designation	PU	Product designation	Order no.
Universal clamp 10 – 120 mm²	1	UNIVERSAL-HÄNGEKLEMME 1851	**69500-0010**
Insulated terminal M8 x 25 with internal thread	1	ISO-ANSCHLUSS 331940	**69501-0010**
Insulated tapping clamp 6 – 70 mm²	1	ISO-ABZWEIGKLEMME 6-70QMM 331786	**69502-0010**
Insulated tapping clamp 50 – 95 mm²	1	ISO-ABZWEIGKLEMME 50-95QMM 331530	**69503-0010**
Piercing clamp (1 side) Al 16 – 95 mm²	1	DIR-PIERCING-KLEMME(1-SEITIG)AL16-95QMM	**69504-0010**
Piercing clamp (2 side) Al 16 – 95 mm²	1	DIR-PIERCING-KLEMME(2-SEITIG)AL16-95QMM	**69505-0010**

Low-voltage surge arrestors

Function

Surge arrestors protect electrical equipment against overvoltage. Overvoltage may be caused by switching, ground or short circuits and atmospheric discharge.
In the case of overvoltage, the non-linear resistance drops so that the voltage surge is restricted.
Secondary currents are suppressed by the quickly increasing resistance.
The metal-oxide varistor has a very high resistance. It responds quickly and does not require an arching gap.

Product description

- Metal-oxide varistor embedded in ceramic insulator
- Terminal stud
- Mounting bracket with clamp made of stainless steel
- Accessories for all commonly used cables, overhead lines and power rails
- Insulated flexible copper 6-mm² connecting line is available with assembled ends or unassembled
- Yellow signal color for clear identification of tripped surge arrestors
- Plastic catch strap attached to insulating cap and connecting line prevents uncontrolled dumping of cable when arrestor is tripped

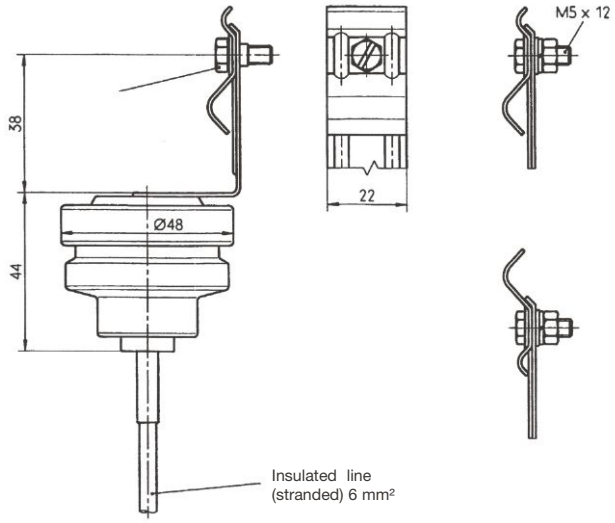
Benefits

- High level of protection for electronic equipment within nanoseconds
- 10-kA variant is less sensitive due to its higher current capacity, thereby reducing service and maintenance costs
- Compact, waterproof, weather-resistant

Technical data

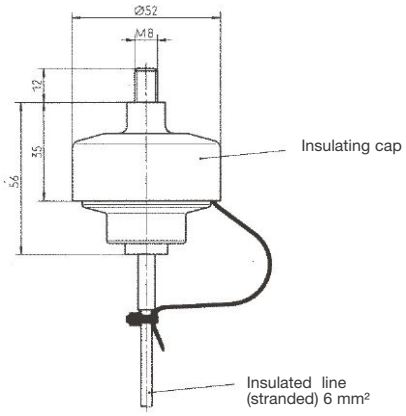
		ONA ZnO 5 kA 280 V	ONA ZnO 10 kA 280 V	ONA ZnO 5 kA 500 V	ONA ZnO 10 kA 500 V
Rated discharge current	**I_N [kA]**	5	10	5	10
Standard		IEC 61643-1 03/2005 EN 61643-11 12/2002 VDE 0675 - 6-112007-08			
Class		II/Outdoor			
Isolation device		yes	yes	yes	yes
Status indicator		yes	yes	yes	yes
Continuous voltage	**U_C [V]**	280	280	500	500
Maximum discharge surge current	**I_{MAX} [kA]**	25	25	25	25
Residual voltage without earth cable	**U_{RES} [V]**	851	987	1481	1642
Protection level without earth cable	**U_P [kV]**	0,9	1,0	1,5	1,8
Residual voltage with 1-m earth cable	**U_{RES} [V]**	1187	1688	1863	2353
Protection level with 1-m earth cable	**U_P [kV]**	1,2	1,8	2,0	2,5
Standby power consumption	**P_C [mW]**	56	56	106	106

Mounting bracket with clamp made of corrosion-resistant material

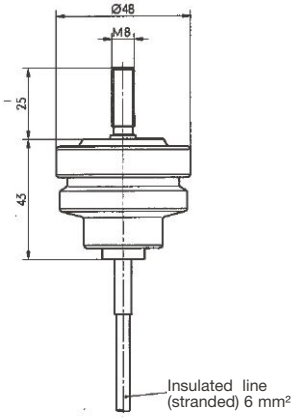


Connection with terminal stud

Insulated type with catch strap



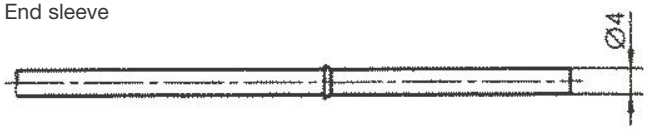
Non-insulated type



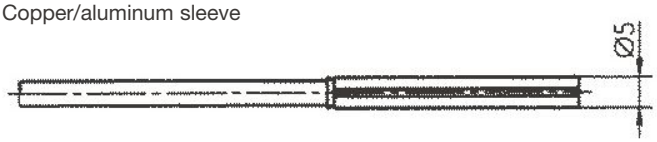
Terminal end options

Insulated flexible copper 6-mm² connecting line is available with assembled ends or unassembled

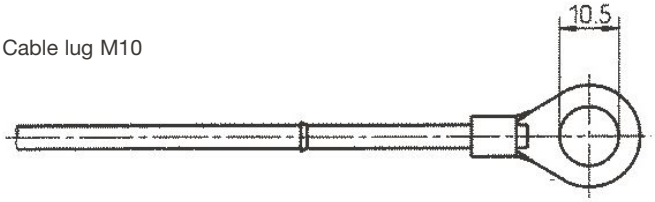
End sleeve



Copper/aluminum sleeve

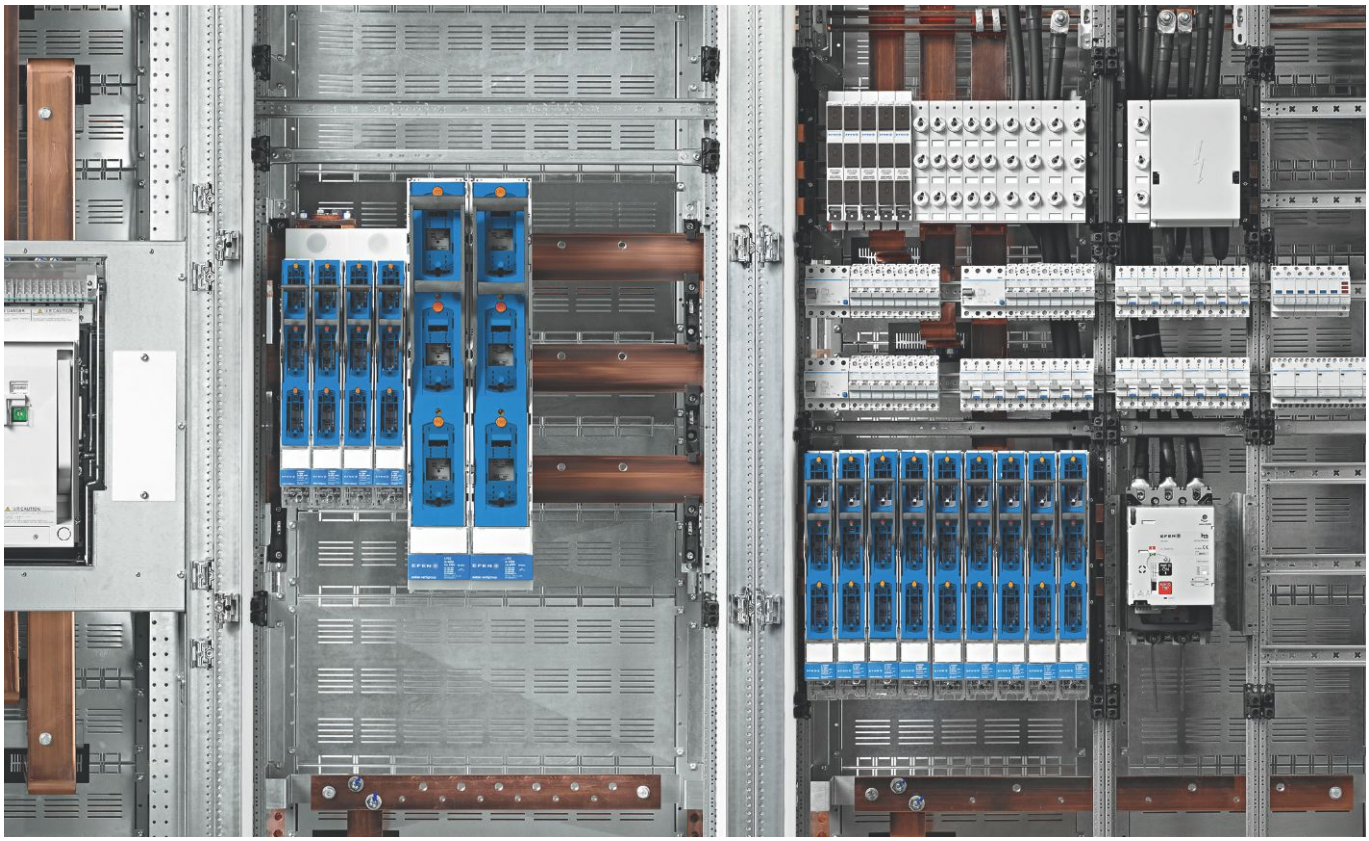


Cable lug M10



Unassembled





System Extensions for Switchgear Manufacturing

As a specialist for safety interfaces, EFEN provides a range of accessories to complement the assembly und application of safe power distribution systems.

System

The wide range of accessories for fuses and power distribution components is especially tailored to EFEN products. From solutions to satisfy rare requirements to special installation material to different fuse-monitoring options.



System Accessories

Cable clamps	page 464
Busbar support	page 464
Feeding clamps	page 464
Clinch nuts	page 464
Insulator	page 465
V-clamps	page 466
Technical data	page 467

Busbar accessories
for 100, 185 and 60 mm busbar spacings



Further accessories
for switchgear manufacturing



System accessories

▶ Technical data, page 470, 475



36116-0010

Cable clamps

Features:
- Without mounting screws

Designation	PU	Product designation	Order no.
Cable clamp for 1 cable, Ø 25 – 38 mm²	1	KABELSCHELLE 25-38 EFEN	**36116-0010**
Cable clamp for 3 cable, Ø 25 – 38 mm²	1	KABELSCHELLE 3X 25-36 MM	**36116-0020**



85270-0600

Busbar support

Designation	Amps	PU	Product designation	Order no.
Plug-in elements for reduction to 30 x 10 busbar (6 pieces per support)	675	24	STECKELEMENT 30X10	**85223-0400**
Plug-in elements for reduction to 40 x 10 busbar (6 pieces per support)	850	24	STECKELEMENT 40X10	**85223-0300**
Plug-in elements for reduction to 50 x 10 busbar (6 pieces per support)	1000	24	STECKELEMENT 50X10	**85223-0200**
Busbar system, 60 x 10 busbar	1250	4	SAMMELSCHIENENHALTER 100MM	**85223-0100**
Plug-in elements for reduction to 60 x 10 busbar (6 pieces per support)	1250	24	STECKELEMENT 60X10 (40X10) VE24	**85331-0200**
Plug-in elements for reduction to 50 x 10 busbar (6 pieces per support)	1000	24	STECKELEMENT 50X10 (30X10) VE24	**85331-0300**
Busbar system, 80 x 10 busbar	1600	2	SAMMELSCHIENENHALTER 185MM	**85331-0100**
Universal busbar support for busbar dimensions 15, 20, 25, 30 x 5, 10 mm	800	4	SAMMELSCHIENENHALTER 60MM UNIVERSAL	**85270-0600**
Busbar support 60 mm 3-phase		10	Sammelschienenhalter 3P	**90333-0100**
Bracket f. lateral protection 60 mm 3p		10	Seitenschutz Sammelsch.halter 3P	**90333-0900**
Extension bracket +N to 4p		10	Sammelsch.erweiterung 1P	**90334-0100**
Extension f. lateral extension +N to 4p		10	Seitenschutz Sammelsch.erw. 1P	**90334-0900**



90265-0100

Feed clamps for busbars with 5 or 10 mm thickness

Designation	PU	Product designation	Order no.
Universal conductor terminal 1.5 – 16 mm², for 5-mm busbars	40	Leiteranschlusskl. 1,5-16mm² SS5	**90265-0100**
Universal conductor terminal 1.5 – 16 mm², for 10-mm busbars	40	Leiteranschlusskl. 1,5-16mm² SS10	**90266-0100**
Universal conductor terminal 1.5 – 35 mm², for 5-mm busbars	20	Leiteranschlusskl. 1,5-35mm² SS5	**90267-0100**
Universal conductor terminal 1.5 – 35 mm², for 10-mm busbar	20	Leiteranschlusskl. 1,5-35mm² SS10	**90268-0100**
Universal conductor terminal 16 – 120 mm², for 5-mm busbars	10	Leiteranschlusskl. 16-120mm² SS5	**90269-0100**
Universal conductor terminal 16 – 120 mm², for 10-mm busbars	10	Leiteranschlusskl. 16-120mm² SS10	**90270-0100**
Universal conductor terminal 16 – 70 mm², for 5-mm busbars	10	Leiteranschlusskl. 16-70mm² SS5	**90318-0100**
Universal conductor terminal 16 – 70 mm², for 10-mm busbars	10	Leiteranschlusskl. 16-70mm² SS10	**90319-0100**
Universal conductor terminal 16 – 185 mm², for 5-mm busbars	10	Leiteranschlusskl. 16-185mm² SS5	**90328-0100**
Universal conductor terminal 16 – 185 mm², for 10-mm busbars	10	Leiteranschlusskl. 16-185mm² SS10	**90329-0100**
Feed clamp IP2X, V2MD 240sm/300rm	3	Einspeiseklemme IP2X V2MD 240sm/300rm	**36846-0040**



85195-0100

Clinch nuts

Designation	PU	Product designation	Order no.
M6	1	SETZMUTTER M6	**85195-0100**
M8	1	SETZMUTTER M8	**85133-0100**
M10	1	SETZMUTTER M10	**85130-0100**
M12	1	Setzmutter M12	**85131-0100**
M16	1	SETZMUTTER M16	**85402-0100**

▶ Technical data, page 473



36072-0700

Insulator

Features:
- Internally threaded

Designation	PU	Product designation	Order no.
Insulator H35 SW32 M10/M10	12	ISOLATOR H35 SW32 M10/M10	**36072-0010**
Insulator H35 SW32 M8/M8	1	ISOLATOR H35 SW32 M8/M8	**36072-0020**
Insulator H35 SW32 M6/M6	1	ISOLATOR H35 SW32 M6/M6	**36072-0030**
Insulator H30 SW30 M8/M8	1	ISOLATOR H30 SW30 M8/M8	**36072-0110**
Insulator H30 SW30 M6/M6	1	ISOLATOR H30 SW30 M6/M6	**36072-0120**
Insulator H30 SW30 M10/M10	1	ISOLATOR H30 SW30 M10/M10	**36072-0130**
Insulator H40 SW36 M6/M6	1	ISOLATOR H40 SW36 M6/M6	**36072-0200**
Insulator H40 SW36 M8/M8	1	ISOLATOR H40 SW36 M8/M8	**36072-0210**
Insulator H40 SW36 M10/M10	1	ISOLATOR H40 SW36 M10/M10	**36072-0220**
Insulator H45 SW46 M6/M6	1	ISOLATOR H45 SW46 M6/M6	**36072-0300**
Insulator H45 SW46 M8/M8	1	ISOLATOR H45 SW46 M8/M8	**36072-0310**
Insulator H45 SW46 M10/M10	1	ISOLATOR H45 SW46 M10/M10	**36072-0320**
Insulator H50 SW50 M6/M6	1	ISOLATOR H50 SW50 M6/M6	**36072-0400**
Insulator H50 SW50 M10/M10	1	ISOLATOR H50 SW50 M10/M10	**36072-0410**
Insulator H50 SW50 M12/M12	1	ISOLATOR H50 SW50 M12/M12	**36072-0420**
Insulator H50 SW50 M8/M8	1	ISOLATOR H50 SW50 M8/M8	**36072-0430**
Insulator H60 SW50 M6/M6	1	ISOLATOR H60 SW50 M6/M6	**36072-0500**
Insulator H60 SW50 M10/M10	1	ISOLATOR H60 SW50 M10/M10	**36072-0510**
Insulator H60 SW50 M12/M12	1	ISOLATOR H60 SW50 M12/M12	**36072-0520**
Insulator H60 SW50 M8/M8	1	ISOLATOR H60 SW50 M8/M8	**36072-0530**
Insulator H60 SW50 M16/M16	1	ISOLATOR H60 SW50 M16/M16	**36072-0540**
Insulator H70 SW60 M10/M10	1	ISOLATOR H70 SW60 M10/M10	**36072-0610**
Insulator H70 SW60 M12/M12	1	ISOLATOR H70 SW60 M12/M12	**36072-0620**
Insulator H70 SW60 M8/M8	1	ISOLATOR H70 SW60 M8/M8	**36072-0630**
Insulator H70 SW60 M16/16	1	ISOLATOR H70 SW60 M16/16	**36072-0640**
Insulator H25 SW36 M6/M6	1	ISOLATOR H25 SW36 M6/M6	**36072-0700**
Insulator H25 SW36 M8/M8	1	ISOLATOR H25 SW36 M8/M8	**36072-0710**



36079-0020

Insulator

Features:
- With stud

Designation	PU	Product designation	Order no.
Insulator HST25 SW36 M8/M8-10	1	ISOLATOR HST25 SW36 M8/M8	**36079-0020**
Insulator HST30 SW30 M6/M6	1	ISOLATOR HST30 SW30 M6/M6	**36079-0100**
Insulator HST30 SW30 M8/M8	1	ISOLATOR HST30 SW30 M8/M8	**36079-0110**
Insulator HST30 SW30 M10/M10	1	ISOLATOR HST30 SW30 M10/M10	**36079-0120**
Insulator HST50 SW50 M8/M8	1	ISOLATOR HST50 SW50 M8/M8	**36079-0210**
Insulator HST50 SW50 M10/M10	1	ISOLATOR HST50 SW50 M10/M10	**36079-0220**
Insulator HST50 SW50 M12/M12	1	ISOLATOR HST50 SW50 M12/M12	**36079-0240**
Insulator HST35 SW32 M6/M6	1	ISOLATOR HST35 SW32 M6/M6	**36079-0300**
Insulator HST35 SW32 M8/M8	1	ISOLATOR HST35 SW32 M8/M8	**36079-0310**
Insulator HST35 SW32 M10/M10	1	ISOLATOR HST35 SW32 M10/M10	**36079-0320**
Insulator HST40 SW36 M8/M8	1	ISOLATOR HST40 SW36 M8/M8	**36079-0400**
Insulator HST40 SW36 M10/M10	1	ISOLATOR HST40 SW36 M10/M10	**36079-0410**
Insulator HST40 SW36 M6/M6	1	ISOLATOR HST40 SW36 M6/M6	**36079-0420**
Insulator HST45 SW46 M6/M6	1	ISOLATOR HST45 SW46 M6/M6	**36079-0500**
Insulator HST45 SW46 M8/M8	1	ISOLATOR HST45 SW46 M8/M8	**36079-0510**
Insulator HST45 SW46 M10/M10	1	ISOLATOR HST45 SW46 M10/M10	**36079-0520**
Insulator HST60 SW50 M8/M8	1	ISOLATOR HST60 SW50 M8/M8	**36079-0610**
Insulator HST60 SW50 M10/M10	1	ISOLATOR HST60 SW50 M10/M10	**36079-0620**
Insulator HST60 SW50 M12/M12	1	ISOLATOR HST60 SW50 M12/M12	**36079-0630**
Insulator HST70 SW60 M8/M8	1	ISOLATOR HST70 SW60 M8/M8	**36079-0710**
Insulator HST70 SW60 M10/M10	1	ISOLATOR HST70 SW60 M10/M10	**36079-0720**
Insulator HST70 SW60 M12/M12	1	ISOLATOR HST70 SW60 M12/M12	**36079-0740**

System accessories

▶ Technical data, page 467



36138-0010

Terminal clamps for direct connection to NH fuse-switches and NH fuse-rails

Designation	Size	Amps	PU	Product designation	Order no.
Steel-box V-clamp	00		1	1 Satz Klemmen VST 00 Vk7 6re/rm-95sm/rm	**36749-0020**
PEN lug	00		1	PEN-Anschluss m. Klemme 6re/rm-95sm/rm	**36768-0010**
MP double-clamp	00		1	MP-Doppelanschlusssch. m. Klemmen 6-95	**36769-0010**
MP clamp unit V2N	1 - 3		1	MP-ANSCHLUSSEINHEIT V2N 240 SM	**36138-0020**
V2N aluminum forged clamp	1 - 3		1	1 Satz Klemme V2N 300 rm/sm (3St.)	**36148-0020**
Steel-box V-clamp	1 - 3		1	Klemme E³ VST 2x95-185sm 1SATZ (3ST)	**36754-0010**
Steel-box V-clamp	1 - 3		1	1 Satz Klemme VSTR 25-240 rm	**36723-0010**
Steel-box V-clamp, fixed upper part	1 - 3		1	Klemme E³ VST 35-240rm 1Satz (3St)	**36353-0010**
Steel-box V-clamp, removable upper part	1 - 3		1	Klemme E³ VEST 35-240rm 1Satz (3St)	**36351-0010**
V2-MD clamp	1 - 3		1	1 Satz Klemmen V2 MD 240sm/300rm	**36298-0010**
V2-MD clamp with lug	1 - 3		1	PEN-Anschluss m. Klemme V2MD 240sm/300rm	**36299-0010**
Claw clamp M12	1 - 3		1	ANSCHLUSSKLEMMEN 50-150 SE FÜR S6 1 SATZ	**36063-0010**
Bow-type flat-terminal clamp	1 - 3		1	1 SATZ BÜGEL-FLACH-DIREKT-ANSCHLUSSK.	**36070-0010**
Feed clamp IP2X with V2-MD clamp for copper busbars 5 – 12 mm	1 - 3		1	Einspeiseklemme IP2X V2MD 240sm/300rm	**36846-0040**
V2-MD insulating cap for clamp cover	1 - 3		1	ISOLIERKAPPE V2 MD	**31607-0100**
V2N insulating cap for clamp cover	1 - 3		1	ISOLIERKAPPE V2N „lange Variante“	**31516-0100**

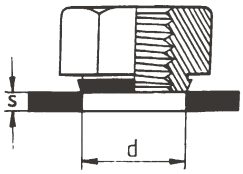
Maintenance accessories

Designation	PU	Product designation	Order no.
Earthing cover E³ size 1-3 3P AU with cable	1	Erdungsdeckel E³ Gr.1-3 3P AU mit Kabel	**36743-0010**

System accessories

Clinch nuts
Busbars are fitted with clinch nuts to allow the direct attachment of NH devices.

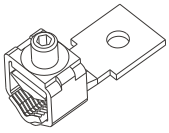
Designation	Internal thread	d (mm)	s (mm])	PU	Order no.
Clinch nut	M6	8,0	1	1	**85195-0100**
Clinch nut	M8	10,0	2	1	**85133-0100**
Clinch nut	M10	12,5	2	1	**85130-0100**
Clinch nut	M12	14,5	3	1	**85131-0100**
Clinch nut	M16	18,5	3	1	**85402-0100**

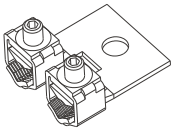


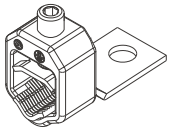
Terminal clamps for NH fuse-switches

Designation	Size	Cross-section	Torque	PU	Order no.
Steel-box V-clamp	00	6 - 95 mm² re 6 - 95 mm² rm 6 - 95 mm² sm 6 - 95 mm² se	15 Nm	1	**36749-0020**
PEN lug	00	6 - 95 mm² re 6 - 95 mm² rm 6 - 95 mm² sm 6 - 95 mm² se	15 Nm	1	**36768-0010**
MP double-clamp	00	6 - 95 mm² re 6 - 95 mm² rm 6 - 95 mm² sm 6 - 95 mm² se	15 Nm	1	**36769-0010**
MP clamp unit V2N	1 - 3	25 - 300 mm² rm 25 - 300 mm² re 25 - 300 mm² sm 25 - 300 mm² se	35 Nm	1	**36138-0020**
V2N aluminum forged clamp	1 - 3	25 - 300 mm² rm 25 - 300 mm² re 25 - 300 mm² sm 25 - 300 mm² se	35 Nm	1	**36148-0020**
Steel-box V-clamp	1 - 3	2 x 70 - 150 mm² rm 2 x 70 - 150 mm² re 2 x 95 - 185 mm² sm 2 x 95 - 240 mm² se	40 Nm	1	**36754-0010**
Steel-box V-clamp	1 - 3	25 - 185 mm² rm 25 - 95 mm² re 50 - 240 mm² sm 50 - 240 mm² se	35 Nm	1	**36723-0010**
Steel-box V-clamp, fixed upper part	1 - 3	35 - 240 mm² rm 35 - 300 mm² re 50 - 240 mm² sm 50 - 300 mm² se	25 Nm	1	**36353-0010**
Steel-box V-clamp, removable upper part	1 - 3	35 - 240 mm² rm 35 - 300 mm² re 50 - 240 mm² sm 50 - 300 mm² se	25 Nm	1	**36351-0010**
V2-MD clamp	1 - 3	25 - 300 mm² rm 25 - 300 mm² re 35 - 240 mm² sm 25 - 300 mm² se	30 Nm	1	**36298-0010**
V2-MD clamp with lug	1 - 3	25 - 300 mm² rm 25 - 300 mm² re 35 - 240 mm² sm 25 - 300 mm² se	30 Nm	1	**36299-0010**
Claw clamp M12	1 - 3	50 - 150 mm² se 35 - 70 mm² rm 35 - 70 mm² re	32 Nm	1	**36063-0010**
Bow-type flat-terminal clamp	1 - 3	35 - 185 mm² rm 35 - 150 mm² se 35 - 150 mm² sm	25 Nm	1	**36070-0010**
Feed clamp IP2X with V2-MD clamp for copper busbars 5 – 12 mm	1 - 3	35 - 300 mm² rm 35 - 300 mm² re 35 - 240 mm² sm 35 - 300 mm² se	35 Nm for clamping connection 20 Nm for busbar mounting	1	**36846-0040**
V2-MD insulating cap for clamp cover	1 - 3			1	**31607-0100**
V2N insulating cap for clamp cover	1 - 3			1	**31516-0100**


36749-0020

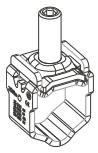

36768-0010

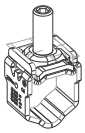

36769-0010


36138-0020

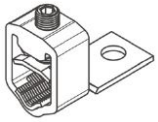

36148-0020


36754-0010

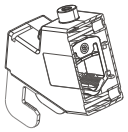

36353-0010


36351-0010


36298-0010


36299-0010


36063-0010


36846-0040


31607-0100


31516-0100

System accessories

Universal conductor terminal clamps

Description	Amps	Designation	PU	Order no.
Universal conductor terminal clamp 1.5 – 15 mm² for 5 mm busbars	180	LEITERANSCHLUSSKL. 1,5-16 MM² SS5	40	**90265-0100**
Universal conductor terminal clamp 1.5 – 15 mm² for 10 mm busbars	180	LEITERANSCHLUSSKL. 1,5-16 MM² SS10	40	**90266-0100**
Universal conductor terminal clamp 4 – 35 mm² for 5 mm busbars	270	LEITERANSCHLUSSKL. 1,5-35 MM² SS5	20	**90267-0100**
Universal conductor terminal clamp 4 – 35 mm² for 10 mm busbars	270	LEITERANSCHLUSSKL. 1,5-35 MM² SS10	20	**90268-0100**
Universal conductor terminal clamp 16 – 120 mm² for 5 mm busbars	440	LEITERANSCHLUSSKL. 16-120 MM² SS5	10	**90269-0100**
Universal conductor terminal clamp 16 – 120 mm² for 10 mm busbars	440	LEITERANSCHLUSSKL. 16-120 MM² SS10	10	**90270-0100**
Universal conductor terminal clamp 16 – 70 mm² for 5 mm busbars	400	LEITERANSCHLUSSKL. 16-70 MM² SS5	10	**90318-0100**
Universal conductor terminal clamp 16 – 70 mm² for 10 mm busbars	400	LEITERANSCHLUSSKL. 16-70 MM² SS10	10	**90319-0100**
Universal conductor terminal clamp 16 – 185 mm² for 5 mm busbars	500	LEITERANSCHLUSSKL. 16-185 MM² SS5	10	**90328-0100**
Universal conductor terminal clamp 16 – 185 mm² for 10 mm busbars	500	LEITERANSCHLUSSKL. 16-185 MM² SS10	10	**90329-0100**

Feeding devices

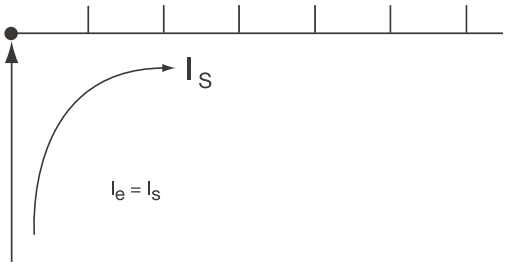
Description	Designation	PU	Weight in kg	Order no.
Feeding device for 2 devices, narrow variant	Einspeisekamm 2X SILAS NH000	4	0,245	**90276-0100**
Feeding device for 3 devices, narrow variant	Einspeisekamm 3X SILAS NH000	4	0,345	**90276-0200**
Feeding device for 4 devices, narrow variant	Einspeisekamm 4X SILAS NH000	4	0,433	**90276-0300**
Feeding device for 5 devices, narrow variant	Einspeisekamm 5X SILAS NH000	4	0,525	**90276-0400**
Feeding clamp 25 – 95 mm² rm/sm, narrow variant	Einspeiseklemme 25-95mm² RM/SM LANH000	3	0,096	**90277-0100**
Feeding device for 2 devices	Einspeisekamm 2X SILAS/IN NH00	4	0,384	**90280-0100**
Feeding device for 3 devices	Einspeisekamm 3X SILAS/IN NH00	4	0,450	**90280-0200**
Feeding device for 4 devices	Einspeisekamm 4X SILAS/IN NH00	4	0,500	**90280-0300**
Feeding device for 5 devices	Einspeisekamm 5X SILAS/IN NH00	4	0,550	**90280-0400**

Technical data acc. to DIN EN 60947-1 VDE 0660 T100 / IEC 60947-1:2004

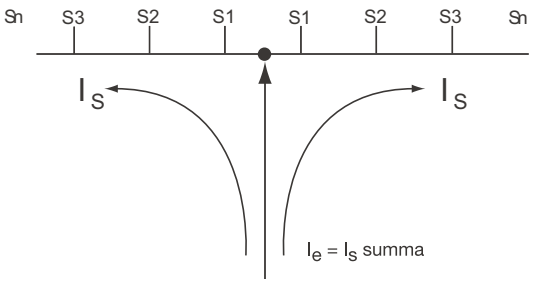
Description		
Materials	Busbar	E – Cu 58 F25
	Insulation	PC/ABS extruded – light gray RAL 7035
	End cap	PC/ABS injection-molded – light gray RAL 7035
	Terminal cover	PA66 V0 injection-molded – light gray RAL 7035
Temperature resistance	PC/ABS extruded	VST B 120 – ISO 306 = 113°C-UL94-VO/1,5
	PC/ABS injection-molded	VST B 120 – ISO 306 = 138°C – UL94-V01,6
Insulation coordination	Overvoltage category III / pollution degree 2	
Electric strength	PC / ABS	> 32 kV / mm
Impulse-withstand voltage	=/> 6,0kV (1kV/mmLS)	
Minimum air gap	> 8 mm	
Minimum creepage distance	> 8,5 mm	
Maximum operating voltage	690 V AC / 440 V DC	
Rated operating voltage	415 V	
Short-circuit resistance	12,5 kA – 100 ms / 400 V	

Resistance at 35 °C ambient temperature and depending on feed point

Busbar block length (m)	**Max. 1**	**Max. 0.3**
Busbar cross-section	35 mm²	35 mm²
Feed connected at busbar start or end	125 A	200 A
Maximum Busbar current I_s/phase	35 mm²	2x35 mm²
Connecting cross-section		
Feed connected at any other position		
Maximum Busbar current I_s/phase	160 A	260 A
Connecting cross-section	2x35 mm²	95 mm²
Feed device for size 000	-	2 - 5
Feed device for size 00	4 – 5 fach	2 - 3



Feed connected at busbar start or end



Feed connected at any other position

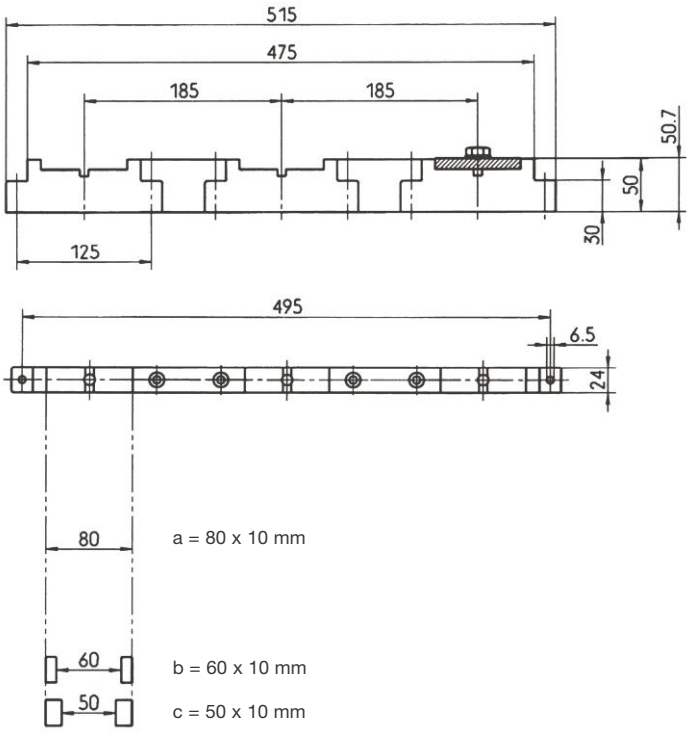
Note: If the feed is connected at the center of the busbar, the total outgoing current S1 ... Sn of each busbar branch must not exceed the maximum busbar current Is/phase stated above.

System accessories

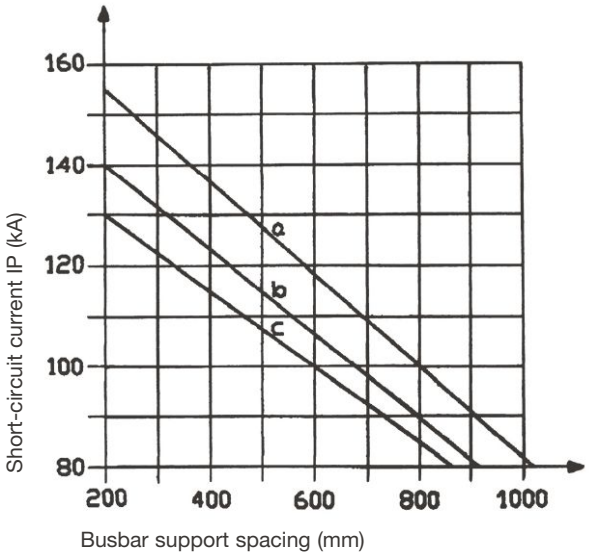
Busbar support
Busbar supports are available for the following busbar center spacings:
Center spacing 185 mm for currents up to 1600 A
Center spacing 100 mm for currents up to 1250 A
Center spacing 60 mm for currents up to 800 A

Busbar support, 1600 A; Center spacing 185 mm

Designation	Busbar dimensions	Number per busbar	Amps	PU	Order no.
Busbar support 185 mm	80 x 10 mm	-	1600	2	**85331-0100**
Plug-in elements	60 x 10 mm	6	1250	24	**85331-0200**
Plug-in elements	50 x 10 mm	6	1000	24	**85331-0300**



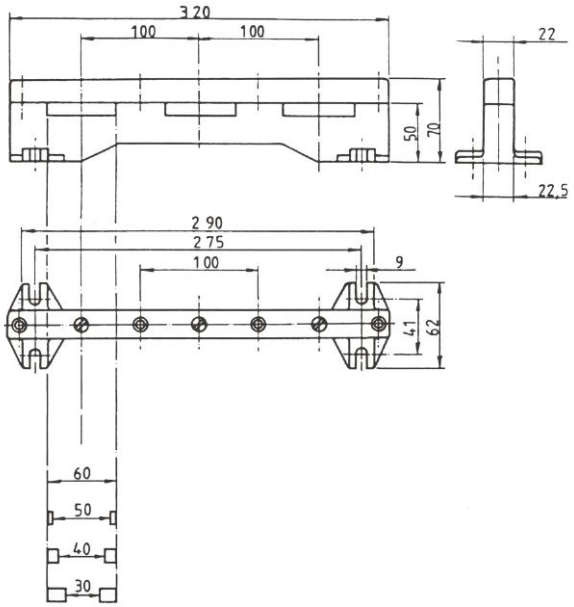
Short-circuit resistance diagram (185 mm)



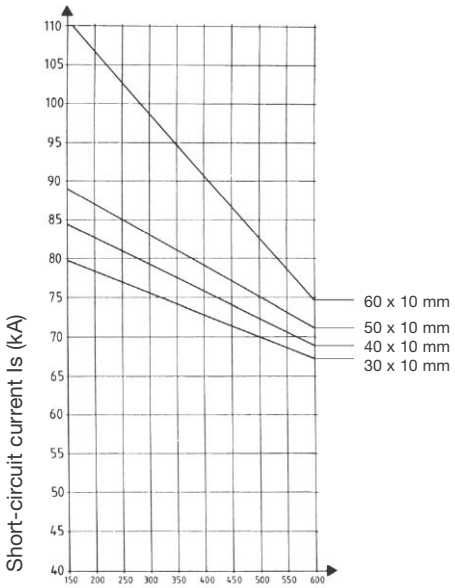
System accessories

Busbar support, 1250 A; Center spacing 100 mm

Designation	Busbar dimensions	Number per busbar	Amps	PU	Order no.
Busbar support 100 mm	60 x 10 mm	-	1250	4	**85223-0100**
Plug-in elements	50 x 10 mm	6	1250	24	**85223-0200**
Plug-in elements	40 x 10 mm	6	850	24	**85223-0300**
Plug-in elements	30 x 10 mm	6	675	24	**85223-0400**



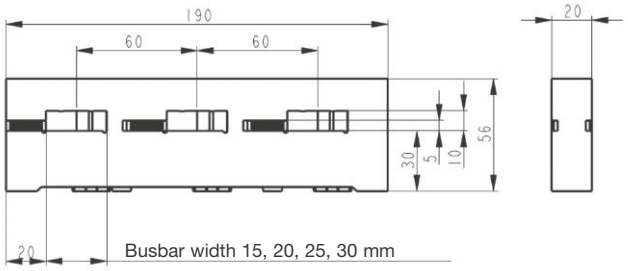
Short-circuit resistance diagram (100 mm)



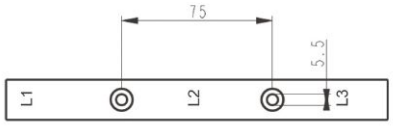
System accessories

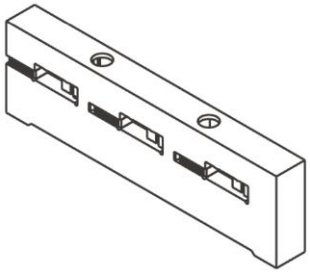
Busbar support, 800 A; Center spacing 60 mm

Designation	Busbar dimensions	Number per busbar	Amps	PU	Order no.
Busbar support, 60 mm	15, 20, 25, 30 mm	-	800	4	**85270-0600**

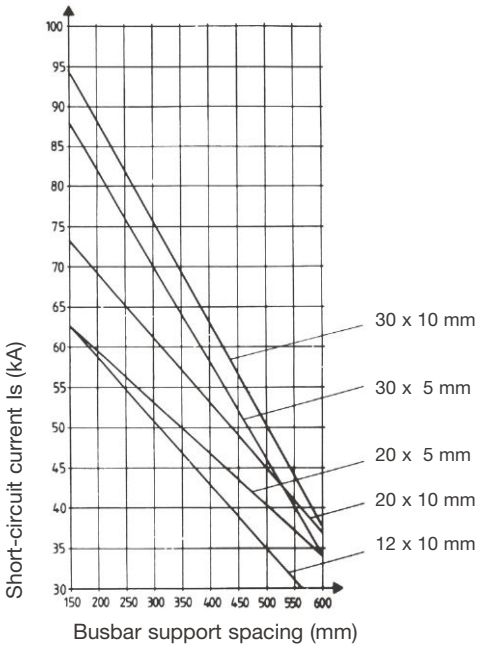


Busbar width 15, 20, 25, 30 mm





Short-circuit resistance diagram (60 mm)

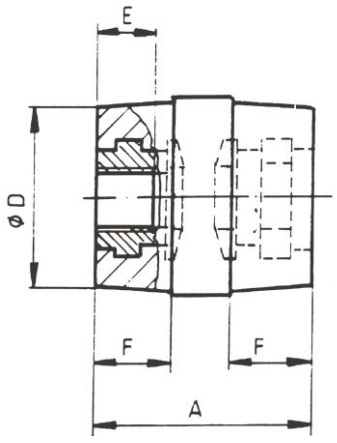


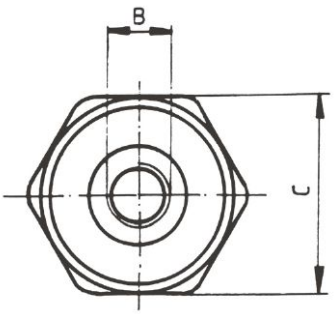
Isolators

Material: Thermosetting unsaturated polyester, red color
Heat-resistant according to ISO 75/A > 200 °C
Threaded steel bushing, galvanized
Self-extinguishing according to UL94-V0, halogen-free

Designation	A	B	C	Ø D	E	F	Rated operating voltage kV	Power-frequency withstand-voltage kV	Leakage resis-tance	Flexural resis-tance kN	Tensile resis-tance kN	Torsional resis-tance Nm	PU	Order no.
H25 SW36 M6/M6	25	M6	SW36	30	6	10	1,0	7,5	•	4,0	6,0	15	1	**36072-0700**
H25 SW36 M8/M8	25	M8	SW36	30	8	10	1,0	7,5	•	6,4	9,5	24,5	1	**36072-0710**
H30 SW30 M6/M6	30	M6	SW30	26	6	12	1,0	7,5	•	4,0	6,0	15	1	**36072-0120**
H30 SW30 M8/M8	30	M8	SW30	26	8	12	1,0	7,5	•	6,4	9,5	24,5	1	**36072-0110**
H30 SW30 M10/M10	30	M10	SW30	26	10	12	1,0	7,5	•	6,4	9,5	30	1	**36072-0130**
H35 SW32 M6/M6	35	M6	SW32	29,8	8	13	1,0	23	•	4,5	6,0	15	1	**36072-0030**
H35 SW32 M8/M8	35	M8	SW32	29,8	10	13	1,0	23	•	6,9	10,0	50	1	**36072-0020**
H35 SW32 M10/M10	35	M10	SW32	29,8	12	13	1,0	23	•	8,0	11,0	80	1	**36072-0010**
H40 SW36 M6/M6	40	M6	SW36	32	8	15	1,5	20	•	4,5	6,0	15	1	**36072-0200**
H40 SW36 M8/M8	40	M8	SW36	32	10	15	1,5	20	•	8,5	11,0	50	1	**36072-0210**
H40 SW36 M10/M10	40	M10	SW36	32	12	15	1,5	20	•	9,0	12,0	75	1	**36072-0220**
H45 SW46 M6/M6	45	M6	SW46	38	8	17	1,5	23	•	5,0	6,0	15	1	**36072-0300**
H45 SW46 M8/M8	45	M8	SW46	38	10	17	1,5	23	•	9,5	14,0	50	1	**36072-0310**
H45 SW46 M10/M10	45	M10	SW46	38	12	17	1,5	23	•	9,5	14,0	95	1	**36072-0320**
H50 SW50 M6/M6	50	M6	SW50	42	8	19	2,0	37	•	5,0	6,0	15	1	**36072-0400**
H50 SW50 M8/M8	50	M8	SW50	42	10	19	2,0	37	•	5,0	13,0	50	1	**36072-0430**
H50 SW50 M10/M10	50	M10	SW50	42	12	19	2,0	37	•	6,0	13,0	90	1	**36072-0410**
H50 SW50 M12/M12	50	M12	SW50	42	17	19	2,0	25	•	9,5	17,0	125	1	**36072-0420**
H60 SW50 M6/M6	60	M6	SW50	42	8	23,5	3,0	30	•	5,5	6,0	15	1	**36072-0500**
H60 SW50 M8/M8	60	M8	SW50	42	10	23,5	3,0	30	•	8,0	19,0	50	1	**36072-0530**
H60 SW50 M10/M10	60	M10	SW50	42	12	23,5	3,0	30	•	8,0	19,0	90	1	**36072-0510**
H60 SW50 M12/M12	60	M12	SW50	42	16	23,5	3,0	20	•	10,0	19,0	115	1	**36072-0520**
H60 SW50 M16/M16	60	M16	SW50	42	20	23,5	3,0	20	•	10,0	19,0	115	1	**36072-0540**
H70 SW60 M8/M8	70	M8	SW60	52	10	28	4,0	50	•	8,0	19,0	50	1	**36072-0630**
H70 SW60 M10/M10	70	M10	SW60	52	12	28	4,0	50	•	12,0	22,0	90	1	**36072-0610**
H70 SW60 M12/M12	70	M12	SW60	52	16	28	4,0	50	•	13,0	24,0	185	1	**36072-0620**
H70 SW60 M16/M16	70	M16	SW60	52	20	28	4,0	50	•	13,0	24,0	195	1	**36072-0640**

• DIN EN 60 112 / VDE 0303 T.11 – CTI 600





Color: red

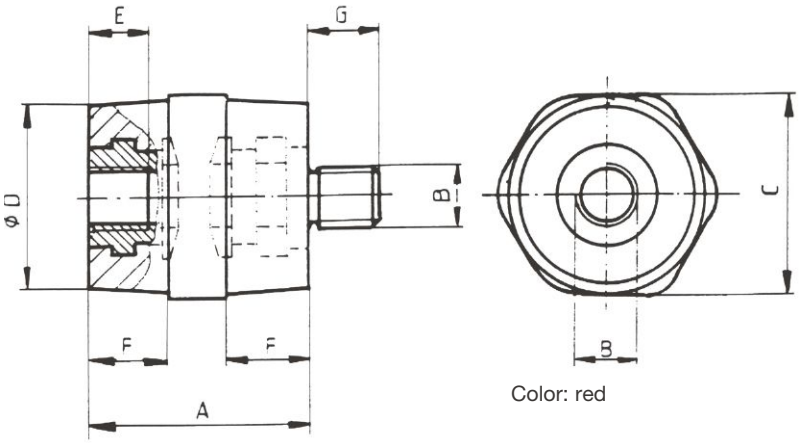
System accessories

Isolators

Material: Thermosetting unsaturated polyester, red color
Heat-resistant according to ISO 75/A > 200 °C
Threaded steel bushing/stud, galvanized
Self-extinguishing according to UL94-V0, halogen-free

Designation	A	B	C	Ø D	E	F	G	Rated operating voltage kV	Power-frequency withstand-voltage kV	Leakage resistance	Flexural resistance kN	Tensile resistance kN	Torsional resistance Nm	PU	Order no.
25 SW36 M8/M8-10	25	M8	SW36	30	8	10	10	1,0	7,5	•	6,4	9,5	20	1	**36079-0020**
30 SW30 M6/M6	30	M6	SW30	26	6	12	8	1,0	10	•	4,0	5,0	10	1	**36079-0100**
30 SW30 M8/M8	30	M8	SW30	26	8	12	10	1,0	10	•	6,4	9,5	20	1	**36079-0110**
30 SW30 M10/M10	30	M10	SW30	26	10	12	12	1,0	10	•	6,4	9,5	30	1	**36079-0120**
35 SW32 M6/M6	35	M6	SW32	29,8	8	13	8	1,0	10	•	4,5	5,0	10	1	**36079-0300**
35 SW32 M8/M8	35	M8	SW32	29,8	10	13	10	1,0	10	•	6,9	9,5	22	1	**36079-0310**
35 SW 32M10/M10	35	M10	SW32	29,8	12	13	12	1,0	10	•	8,0	9,5	45	1	**36079-0320**
40 SW36 M6/M6	40	M6	SW36	32	8	15	8	1,5	15	•	4,5	5,0	10	1	**36079-0420**
40 SW36 M8/M8	40	M8	SW36	32	10	15	10	1,5	15	•	8,5	9,5	22	1	**36079-0400**
40 SW36 M10/M10	40	M10	SW36	32	12	15	12	1,5	15	•	9,0	9,5	45	1	**36079-0410**
45 SW46 M6/M6	45	M6	SW46	38	8	17	8	1,5	15	•	4,5	5,0	10	1	**36079-0500**
45 SW46 M8/M8	45	M8	SW46	38	10	17	10	1,5	15	•	9,5	10,0	22	1	**36079-0510**
45 SW46 M10/M10	45	M10	SW46	38	12	17	12	1,5	15	•	9,5	13,0	45	1	**36079-0520**
50 SW50 M8/M8	50	M8	SW50	42	10	19	10	2,0	15	•	5,0	10,0	22	1	**36079-0210**
50 SW50 M10/M10	50	M10	SW50	42	12	19	12	2,0	15	•	5,0	13,0	45	1	**36079-0220**
50 SW50 M12/M12	50	M12	SW50	42	17	19	17	2,0	15	•	6,0	17,0	115	1	**36079-0240**
60 SW50 M8/M8	60	M8	SW50	42	10	23,5	10	2,0	15	•	5,5	10,0	22	1	**36079-0610**
60 SW50 M10/M10	60	M10	SW50	42	12	23,5	12	2,0	15	•	8,0	13,0	45	1	**36079-0620**
60 SW50 M12/M12	60	M12	SW50	42	20	23,5	17	2,0	15	•	10,0	17,0	115	1	**36079-0630**
70 SW60 M8/M8	70	M8	SW60	52	10	28	10	2,0	15	•	8,0	10,0	22	1	**36079-0710**
70 SW60 M10/M10	70	M10	SW60	52	12	28	12	2,0	15	•	12,0	13,0	45	1	**36079-0720**
70 SW60 M12/M12	70	M12	SW60	52	20	28	17	2,0	15	•	13,0	17,0	115	1	**36079-0740**

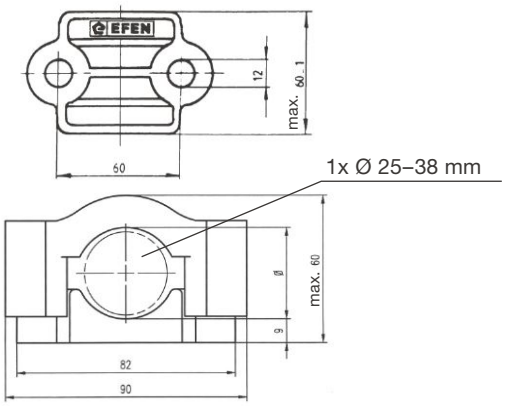
• DIN EN 60 112 / VDE 0303 T.11 – CTI 600



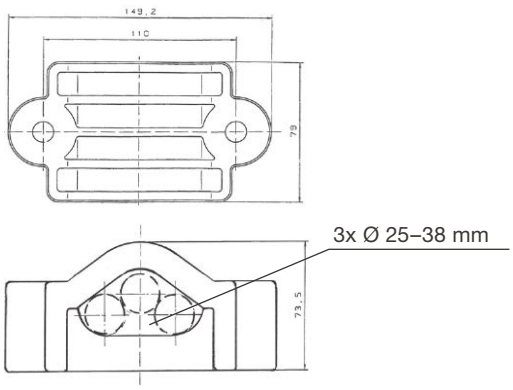
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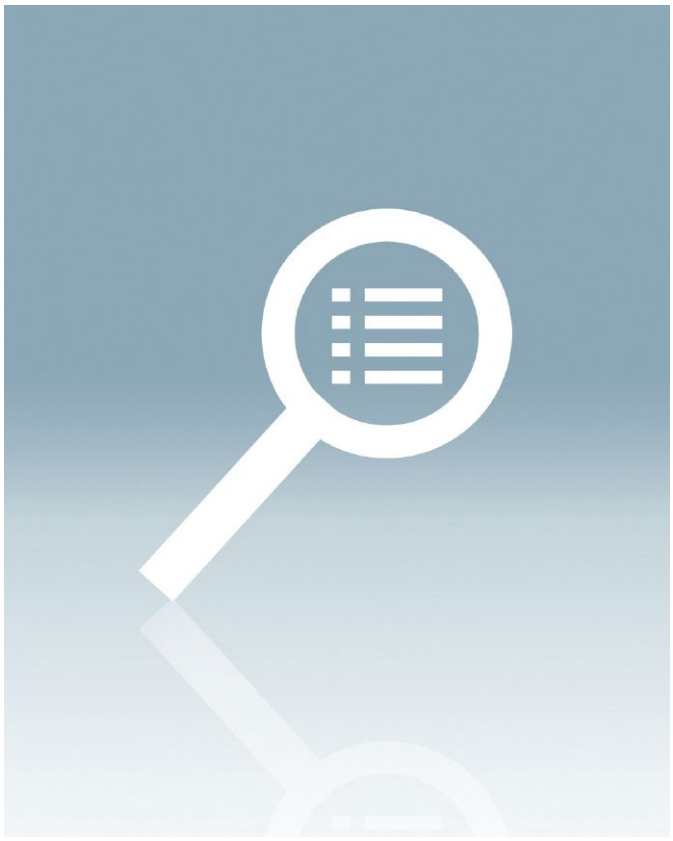
Cable clamp made of glass-fiber-reinforced self-extinguishing halogen-free thermoplastic

Order no. 36116-0010/PU 1



Order no. 36116-0020/PU 1





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77255-1233	PSR 253 80/5 2,5 1-WR 22,5 60-30	3	299
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77255-1343	PSR 253 100/5 5,0 1-WR 22,5 60-30	3	299
77255-1432	PSR 253 125/5 2,5 0,5-WR 22,5 60-30	3	298
77255-1443	PSR 253 125/5 5,0 1-WR 22,5 60-30	3	299
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77255-6943	PSR 253 400/1 5,0 1-WR 22,5 60-30	3	299
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77255-7143	PSR 253 600/1 5,0 1-WR 22,5 60-30	3	299
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77256-1743	PSR 253/30 250/5 5,0 1-WR 30 60-30	3	300
77256-1842	PSR 253/30 300/5 5,0 0,5-WR 30 60-30	3	300
77256-1843	PSR 253/30 300/5 5,0 1-WR 30 60-30	3	300
77256-1942	PSR 253/30 400/5 5,0 0,5-WR 30 60-30	3	300
77256-1943	PSR 253/30 400/5 5,0 1-WR 30 60-30	3	300
77256-2042	PSR 253/30 500/5 5 0,5-WR 30 60-30	3	300
77256-2043	PSR 253/30 500/5 5 1-WR 30 60-30	3	300
77256-2142	PSR 253/30 600/5 5,0 0,5-WR 30 60-30	3	300
77256-2143	PSR 253/30 600/5 5,0 1-WR 30 60-30	3	300
77256-2433	PSR 253/30 600/5 5,0 1-WR 30 60-30	3	300
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77256-6542	PSR 253/30 150/1 5,0 0,5-WR 30 60-30	3	300
77256-6543	PSR 253/30 150/1 5,0 1-WR 30 60-30	3	300
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77256-6643	PSR 253/30 200/1 5,0 1-WR 30 60-30	3	300
77256-6742	PSR 253/30 250/1 2,5 0,5-WR 30 60-30	3	300
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77256-6842	PSR 253/30 300/1 5,0 0,5-WR 30 60-30	3	300
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77362-0842	PSW 55 40/5 5,0 0,5-WW 55-70	1	301
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77362-5463	PSW 55 20/1 10 1-WW 55-70	1	301
77362-5542	PSW 55 25/1 5,0 0,5-WW 55-70	1	301
77362-5543	PSW 55 25/1 5,0 1-WW 55-70	1	301
77362-5563	PSW 55 25/1 10 1-WW 55-70	1	301
77362-5742	PSW 55 30/1 5,0 0,5-WW 55-70	1	301
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77362-5763	PSW 55 30/1 10 1-WW 55-70	1	301
77362-5842	PSW 55 40/1 5,0 0,5-WW 55-70	1	301
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77364-1063	PSW 70 60/5 10 1-70	1	302
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77364-1442	PSW 70 125/5 5,0 0,5-70	1	302
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77364-6463	PSW 70 125/1 10 1-70	1	302
77364-6542	PSW 70 150/1 5,0 0,5-70	1	302
77364-6543	PSW 70 150/1 5,0 1-70	1	302
77364-6563	PSW 70 150/1 10 1-70	1	302
77364-6642	PSW 70 200/1 5,0 0,5-70	1	302
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77470-3462	PSS 2 5+5/5 10 0,5-WS 2 KREISE	1	303
77470-3463	PSS 2 5+5/5 10 1-WS 2 KREISE	1	303
77470-3472	PSS 2 5+5/5 15 0,5-WS 2 KREISE	1	303
77470-3473	PSS 2 5+5/5 15 1-WS 2 KREISE	1	303
77470-3962	PSS 2 1+1/5 10 0,5-WS 2 KREISE	1	303
77470-3963	PSS 2 1+1/5 10 0,5-WS 2 KREISE	1	303
77470-3972	PSS 2 1+1/5 15 0,5-WS 2 KREISE	1	303
77470-3973	PSS 2 1+1/5 15 1-WS 2 KREISE	1	303
77470-8742	PSS 2 5+5/1 5,0 0,5-WS 2 KREISE	1	303
77470-8743	PSS 2 5+5/1 5,0 1-WS 2 KREISE	1	303
77470-8762	PSS 2 5+5/1 10 0,5-WS 2 KREISE	1	303
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77470-8772	PSS 2 5+5/1 15 0,5-WS 2 KREISE	1	303
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77470-8942	PSS 2 1+1/1 5,0 0,5-WS 2 KREISE	1	303
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77508-1536	EPSA 315 150/5 2,5 0,5S-WA 30X10 60-55	3	305
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77508-1632	EPSA 315 200/5 2,5 0,5-WA 30X10 60-55	3	305
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77508-1642	EPSA 315 200/5 5,0 0,5-WA 30X10 60-55	3	305
77508-1646	EPSA 315 200/5 5,0 0,5S-WA 30X10 60-55	3	305
77508-1662	EPSA 315 200/5 10 0,5-WA 30X10 60-55	3	305
77508-1672	EPSA 315 200/5 15 0,5-WA 30X10 60-55	3	305
77508-1731	EPSA 315 250/5 2,5 0,2-WA 30X10 60-55	3	305
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77508-1736	EPSA 315 250/5 2,5 0,5S-WA 30X10 60-55	3	305
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77508-1846	EPSA 315 300/5 5,0 0,5S-WA 30X10 60-55	3	305
77508-1862	EPSA 315 300/5 10 0,5-WA 30X10 60-55	3	305
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