



SIEMENS

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Fuse Systems

Catalog
Extract
LV 10

Edition
10/2021

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www.siemens.com/industrymall



The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see www.siemens.com/system-certificates/ep). The certificate is recognized by all IQNet countries.

Technical specifications

The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

Low-Voltage Power Distribution and Electrical Installation Technology

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A



Mandatory basic protection in electrical installations

Overcurrents in electrical installations occur as a result of excessive load or short-circuits and can cause serious accidents, fires and financial damage. Appropriate protection devices have therefore been mandatory ever since electricity was first harnessed to power equipment. As a pioneer in fuse systems, we offer you the complete range of devices for the protection of cables as well as electrical devices and installations in the event of overloads and short-circuits.

Fuses are capable of safely switching off circuits as soon as an overload or short-circuit occurs. This prevents damage to electrical equipment or extended power failures. Specific variants of fuse systems are used for different applications.

Among other things, our fuses are used for protecting cables and lines, switching devices and semiconductors as well as in photovoltaics and wind power.

Fuse Systems



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A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about fuse systems, please visit our website
www.siemens.com/fuses

Your product in detail

The Siemens Industry Online Support (SIOS) provides comprehensive information
www.siemens.com/lowvoltage/product-support

- Technology primer – Fuse systems (109482303)

The relevant tender specifications can be found at
www.siemens.com/lowvoltage/tenderspecifications

Use our conversion tool for quick and easy conversion to Siemens products
www.siemens.com/conversion-tool

Siemens YouTube channel

- Siemens fuse systems bit.ly/2kWaepz

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Fuse systems sie.ag/2kW3pnU

Direct forwarding to the individual products in the Industry Mall by clicking on the article number in the catalog or by entering this web address incl. article number
www.siemens.com/product?Article No.

Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your SITOR semiconductor fuse at

www.siemens.com/lowvoltage/sitor-configurator

The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services. You can find your local contacts at
www.siemens.com/lowvoltage/components/contact

You can find further information on services at
www.siemens.com/service-catalog

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at
www.siemens.com/support-request

... can be found in our online services

Commissioning + operation

Your product in detail

The Siemens Industry Online Support (SIOS) provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Characteristic curves
- Certificates

Comprehensive mobile support via the Siemens Industry Online Support app available for download from the [App Store](#) and [Play Store](#)

You will find further information under:

www.siemens.com/support-app

Provision of 3D data (step and u3d data formats)

- Siemens Industry Mall
www.siemens.com/lowvoltage/mall
- Image database
www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at

www.siemens.com/cax

Manuals

Manuals are available for downloading in Siemens Industry Online Support (SIOS) at

www.siemens.com/lowvoltage/manuals

- Configuration manual – Fuse systems
([45314810](#))
- Planning manual – Planning with SIVACON 8PS
([109478425](#))
- Installation manual – Circuit protection devices with communication and measuring function ([109791805](#))
- System manual – Circuit protection devices with communication and measuring function ([109791806](#))

Classroom or online training

Our training courses can be found at

www.siemens.com/sitrain-lowvoltage

- SENTRON circuit protection devices with measuring and communication function (WT-LVBCOM)

Technical overview – Fuse systems



The fast way to get you to our online services

This page provides you with comprehensive information and links on fuse systems

www.siemens.com/lowvoltage/product-support ([109769085](#))

System overview

Fuse holders and bases

IEC fuse holders and bases



MINIZED



NEOZED



DIAZED



Bus-mounting bases for busbars



Photovoltaic cumulative fuses

IEC/UL fuse holders and bases



LV HRC fuses



Cylindrical fuses



SITOR semiconductor fuses (LV HRC design)



SITOR semiconductor fuses (cylindrical fuse design)



Photovoltaic cylindrical fuses

UL fuse holders and bases

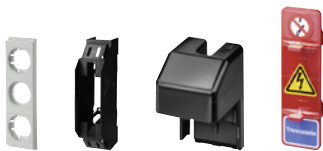


Class CC



Class J

Accessories for fuse holders and bases



Covers



Screw caps



Adapter sleeves



Isolating blades

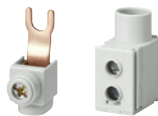


LV HRC signal detectors

Busbars and accessories



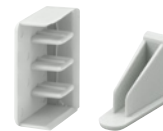
Can be cut



Terminals



Touch protection



End caps

Note:

You will find a detailed range of accessories with the basic units.

Fuse links

IEC fuse links



NEOZED



DIAZED



LV HRC

LV HRC
(3NA COM) **new**Cylindrical
fuses

SILIZED



SILIZED

Photovoltaic
cumulative fusesPhotovoltaic
cylindrical fusesPhotovoltaic
cylindrical fuses

IEC/UL fuse links

SITOR semiconductor fuses
(LV HRC design)SITOR semiconductor fuses
(cylindrical fuse design)

UL fuse links





Class CC

Note:

You will find a detailed range of accessories with the basic units.

Overview of fuse systems according to IEC


Fuse links

| |  |  |
|---|---|---|
| Standard | IEC | IEC |
| Rated current I_n | 2 ... 100 A | 2 ... 100 A |
| Rated voltage U_n (AC) | 400 V | 500 ... 750 V |
| Rated voltage U_n (DC) | 250 V | 500 ... 750 V |
| Design/application | NEOZED/SILIZED | DIAZED/SILIZED |
| Selection according to protection task | Cables and conductors, general (gG, gFF) | ■ |
| | Motor protection (aM) | – |
| | Power semiconductor (aR, gR, gS) | ■ |
| | Photovoltaic protection (gPV) | – |
| | Battery protection (aR, gR, gBAT) | – |
| Type | 5SE | 5SA, 5SB, 5SC, 5SD |
| More information | See page 7/32 See page 7/34 | See page 7/33 See page 7/34 |

Fuse holders and bases



For protection tasks

Overview, see page 7/8








| | Floor mounting | Standard mounting rail | Busbar | Type | Standard | More information | | |
|---|----------------|------------------------|--------|-----------|----------|------------------|---|---|
|  | – | ■ | ■ | 5SG | IEC | See page 7/12 | ■ | – |
| | ■ | ■ | ■ | 5SF | IEC | See page 7/18 | – | ■ |
| | ■ | – | – | 3NH | IEC/UL | See page 7/22 | – | – |
| | ■ | – | – | 3NH7 | IEC | See page 7/22 | – | – |
| | – | ■ | ■ | 3NW7 | IEC/UL | See page 7/24 | – | – |
| | – | ■ | – | 3NC.. | IEC/UL | See page 7/25 | – | – |
| | – | ■ | – | 3NW7...-4 | IEC | See page 7/26 | – | – |

For protection and switching tasks

System overview, see page 8/82, 8/126

| | Floor mounting | Standard mounting rail | Busbar | Type | Standard | More information | | |
|---|----------------|------------------------|--------|------------|----------|------------------|---|---|
|  | ■ | ■ | ■ | 3NP1 | IEC/UL | See page 8/94 | – | – |
| | ■ | – | ■ | 3NP5 | IEC/UL | See page 8/96 | – | – |
| | – | ■ | ■ | 5SG76 | IEC | See page 8/112 | ■ | – |
| | – | – | ■ | 3NJ4 | IEC | See page 8/100 | – | – |
|  | ■ | ■ | – | 3KF LV HRC | IEC | See page 8/126 | – | – |
| | ■ | ■ | – | 3KF SITOR | IEC/UL | See page 8/126 | – | – |
| | – | – | ■ | 3NJ62 | IEC | See page 8/134 | – | – |
| | – | ■ | ■ | 5SG71 | IEC | See page 8/142 | ■ | – |

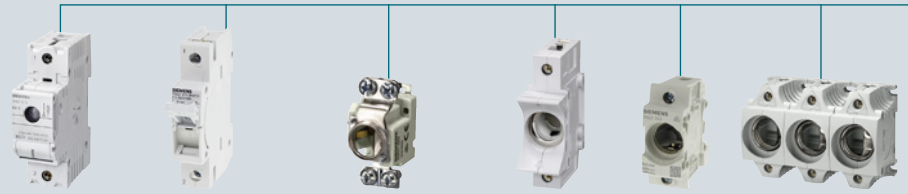
Overview, see page 7/30

|  | |  | |  | |  | |  | | |  | |  | | | |
|---|-------------------------------|---|-------------------------------|---|--|---|---------------|--|---------------|-----------------|---|-------|---|-------|---|-------|
| IEC | IEC | IEC | IEC | IEC/UL | IEC/UL | IEC/UL | IEC | IEC | IEC | IEC | UL | UL | UL | UL | | |
| 2 ... 1250 A | 80 ... 315 A | 0.5 ... 100 A | 2 ... 2400 A | 1 ... 125 A | 2 ... 630 A | 0.5 ... 30 A | 400 ... 690 V | 400 V | 400 ... 690 V | 500 ... 2500 V | 600 ... 1500 V | 600 V | 250 ... 400 V | 250 V | - | 600 V |
| LV HRC | LV HRC | Cylindrical | SITOR LV HRC | SITOR cylindrical | Photovoltaic | Class CC | - | - | - | 1000 ... 1500 V | 150 ... 300 V | - | - | - | - | - |
| ■ | ■ | ■ | - | - | - | ■ | - | - | - | - | - | ■ | - | - | - | - |
| ■ | - | ■ | - | - | - | ■ | - | - | - | - | - | ■ | - | - | - | - |
| - | - | - | ■ | ■ | ■ | - | - | - | - | ■ | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3NA, 3ND | 3NA COM | 3NW6, 3NW8 | 3NE, 3NC | 3NC10 | 3NE..., 3NW... | 3NW1, 3NW2, 3NW3 | | | | | | | | | | |
| See page 7/36 | See page 7/36 | See page 7/12 | See page 7/46 | See page 7/63 | See page 7/35 See page 7/68 | See page 7/69 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ■ | ■ | - | ■ | - | - | - | - | - | - | ■ | - | - | - | - | - | - |
| - | - | ■ | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | ■ | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | ■ | - | - | - | - | - | - |
| ■ | ■ | - | ■ | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ■ | ■ | - | ■ | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ■ | ■ | - | (■) | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | ■ | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ■ | ■ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Quick selection guide of fuse holders, bases and D0 fuse switching devices

IEC



| | MINIZED switch disconnectors with fuses | MINIZED fuse switch disconnectors | NEOZED fuse bases | | | NEOZED comfort bases | NEOZED fuse bases | DIAZED fuse bases |
|--|---|-----------------------------------|-------------------|--|--|----------------------|-------------------|-------------------|
|--|---|-----------------------------------|-------------------|--|--|----------------------|-------------------|-------------------|

| Basic data | | | | | | | | | | | |
|---|--|----------------------|--|--|--------------------------------|----------------|-------|--|--|--|--|
| Size/for fuses of size | | | D02 | D01 | D01 | D02 | D03 | D01, D02 | D01, D02 | NDz, DII, DIII | |
| Type | | | 5SG71 | 5SG76 | 5SG15 5SG55 | 5SG16 5SG56 | 5SG18 | 5SG1301 5SG1701 5SG5301 5SG5701 | 5SG1302 5SG1702 5SG5302 5SG5702 | 5SF | |
| Standards | | | | | | | | | | | |
| Standards | | | DIN VDE 0638; EN 60947-3 (VDE 0660-107) EC/EN 60947-3 | DIN VDE 0638; EN 60947-3 (VDE 0660-107) EC/EN 60947-3 | IEC 60269-3; DIN VDE 0636-3 | | | IEC 60269-3; DIN VDE 0636-3 | IEC 60269-3; DIN VDE 0636-3 | IEC 60269-3; DIN VDE 0635; DIN VDE 0636-3; CEE 16 | |
| Approvals | | | – | – | – | – | – | – | – | – | |
| Certifications | | | – | – | – | – | – | – | – | – | |
| Technical specifications AC | | | | | | | | | | | |
| Rated voltage | | U_n | V AC | 230/400, 240/415 | 230/400, 240/415 | 400 | 400 | 400 | – | – | 500, 690, 750 |
| Rated insulation voltage | | | V AC | 500 | 690 | – | – | – | – | – | – |
| Short-circuit strength | | | kA AC | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated current | | I_n | A | 63 | 16 | 16 | 63 | 100 | 16/63 | 16/63 | 2 ... 100 |
| | | I_n acc. to UL/CSA | A | – | – | – | – | – | – | – | – |
| Rated impulse withstand voltage | | | kV AC | 6 | 6 | – | – | – | – | – | – |
| Utilization category | | Acc. to VDE 0638 | A | AC-22 | AC-22 | – | – | – | – | – | – |
| | | Acc. to EN 60947-3 | A | AC-22B, AC-23B (35A) | AC-22A | – | – | – | – | – | – |
| Technical specifications DC | | | | | | | | | | | |
| Rated voltage | | U_n | V DC | 65 (1P), 130 (2P) | 48 (1P), 110 (2P) | 250 | 250 | 250 | – | – | 500, 600, 750 |
| | | U_n acc. to UL | V DC | – | – | – | – | – | – | – | – |
| Short-circuit strength | | | kA DC | – | – | 8 | 8 | 8 | 8 | 8 | – |
| Utilization category | | Acc. to EN 60947-3 | A | DC-22B | – | – | – | – | – | – | – |
| Further technical specifications | | | | | | | | | | | |
| Overvoltage category | | | | IV | IV | – | – | – | – | – | III; II (DIAZED fuse bases made of molded plastic for use at 690 V AC/ 600 V DC) |
| Max. power dissipation of fuse links (conductor cross-section used) | | | W | – | – | – | – | – | – | – | – |
| Pollution degree | | | | – | – | – | – | – | – | – | – |
| Further information | | | | | | | | | | | |
| | | | See page 7/13 | See page 7/12 | See page 7/16 | | | | See page 7/18 | | |

¹⁾ Extended rated voltage up to 1000 V

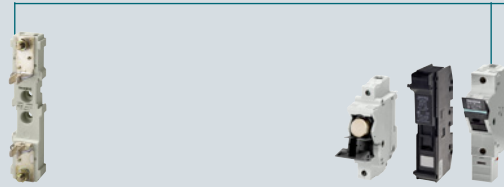
IEC



| Cylindrical fuse holders | | LV HRC fuse bases | | | | | | | Photovoltaic cumulative fuse bases | | | | | | NEOZED bus-mounting bases for 8US 60 mm compact busbar systems | | NEOZED bus-mounting bases for 8US 60 mm busbar systems | | DIAZED bus-mounting bases for 8US 60 mm busbar systems | |
|--|----------|--|-------------------|-------------------|-------------------|-------------------|------|---------------------------------|--------------------------------------|------|------|------|------|---------|--|-------------------------------|--|---|--|--|
| 8×32 mm | 22×58 mm | 000/00 | 0 | 1 | 2 | 3 | 4 | 1 | 1L | 2L | 3L | 1XL | 2XL | D02 | D02 | DII | DII | | | |
| 3NW73.. | 3NW72.. | - | - | - | - | - | - | 3NH7...-4 | | | | | | 5SG6208 | 5SG6202 5SG6206 5SG6207 | 5SF6014 5SF6015 5SF6020 | 5SF6214 5SF6215 5SF6220 | | | |
| IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1 | | IEC 60269-1, -2; EN 60269-1; DIN VDE 0636-2, UL 4248-1 (only downstream from the branch protection) | | | | | | | IEC 60269, IEC 60269-2, IEC 60947 | | | | | | IEC 60269-3, DIN VDE 0636-3 | | IEC 60269-3, DIN VDE 0636-3 | | IEC 60269-3, IEC 60269-3, DIN VDE 0636-3 | |
| UL File number E171267 | | KEMA; UL file number E171267-IZLT2 | | | | | | | - | - | - | - | - | - | - | - | - | - | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 400 | 690 | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 | - | - | - | - | - | - | 400 | 400 | 500 | 690 | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 20 | 100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 20 | 100 | 160 | 160 | 250 | 400 | 630 | 1250 | 160 | 250 | 400 | 630 | 250 | 400 | 63 | 63 | 25 | 63 | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| AC-20B (switching without load) | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| - | - | 250 | 440 | 440 | 440 | 440 | 440 | 1000 | 1000 | 1000 | 1000 | 1500 | 1500 | 250 | 250 | - | 600 | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| - | - | 25 | 25 | 25 | 25 | 25 | 25 | - | - | - | - | - | - | 8 | 8 | 8 | 8 | | | |
| DC-20B (switching without load) | | - | - | - | - | - | - | DC-20B (switching without load) | | | | | | - | - | - | - | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| - | - | 12 | 25 | 32 | 45 | 60 | 90 | 40 | 90 | 110 | 130 | 90 | 110 | - | - | - | - | | | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| See page 7/22 | | See page 7/22 | | | | | | | See page 7/21 | | | | | | See page 7/20 | | | | | |

Quick selection guide of fuse holders, bases and D0 fuse switching devices

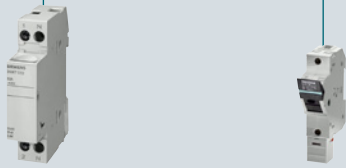
IEC/UL



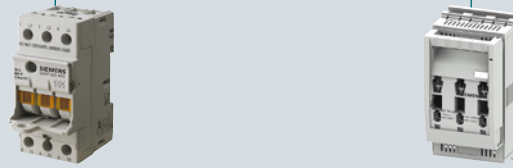
| | | | LV HRC fuse bases | | | | | Fuse holders for SITOR semiconductor fuses (cylindrical fuse design) | | | | |
|---|--------------------|-------|---|-------------------|-------------------|-------------------------|-------------------------|--|--|---|--------------------------------|-------|
| Basic data | | | 000/00 | 0 | 1 | 2 | 3 | 10 × 38 mm | 14 × 51 mm | 22 × 58 mm | 22 × 127 mm | |
| Size/for fuses of size | | | 3NH3030 3NH4030 | | 3NH3120 | 3NH3220 3NH3230 3NH4230 | 3NH3320 3NH3330 3NH3430 | 3NH3420 | 3NC10 | 3NC14 | 3NC22 | 3NC23 |
| Type ²⁾ | | | IEC 60269-1, -2; EN 60269-1; DIN VDE 0636-2, UL 4248-1 (only downstream from the branch protection) | | | | | UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3 | UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3 | UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3 | IEC 60269-2, IEC 60947-3 | |
| Standards | | | KEMA, UL file number E171267-IZLT2 | | | | | UL 4248-1; UL File number E171267; CSA C22.2 No. 39-M | | | | |
| Approvals | | | - | | | | | UL, CE | UL, CE | UL, CE | - | |
| Certifications | | | - | | | | | - | - | - | - | |
| Technical specifications AC | | | | | | | | | | | | |
| Rated voltage | U_n | V AC | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 ¹⁾ | 690 | 690 | 690 | 1500 | |
| | U_n acc. to UL | V AC | 690 | 690 | 1000 | 1000 | 1000 | 600 | 600 | 600 | - | |
| | U_n acc. to CSA | V AC | 600 | 600 | 600 | 600 | 600 | - | - | - | - | |
| Rated insulation voltage | | V AC | - | - | - | - | - | - | - | - | - | |
| Short-circuit strength | | kA AC | - | - | - | - | - | 50 | 50 (100 at 400 V) | 50 (100 at 500 V) | 30 | |
| | | | | | | | | | | | | |
| Rated current | I_n | A | 160 | 160 | 250 | 400 | 630 | 32 | 50 | 100 | 63 | |
| | I_n acc. to UL | A | 160 | 160 | 250 | - | 500 | 30 | 50 | 80 | - | |
| | I_n acc. to CSA | A | 160 | 160 | 250 | - | 850 | 30 | 40 | 80 | - | |
| Rated impulse withstand voltage | | kV AC | - | - | - | - | - | 6 | 6 | 6 | - | |
| Utilization category | Acc. to VDE 0638 | A | - | - | - | - | - | - | - | - | - | |
| | Acc. to EN 60947-3 | A | - | - | - | - | - | AC-22B (400 V) | AC-22B (400 V) | AC-20B (690 V) | AC-20B | |
| Technical specifications DC | | | | | | | | | | | | |
| Rated voltage | U_n | V DC | 250 | 440 | 440 | 440 | 440 | 800 | | | 1000 | |
| | U_n acc. to UL | V DC | - | - | - | - | - | - | - | - | - | |
| Short-circuit strength | | kA DC | 25 | 25 | 25 | 25 | 25 | - | - | - | 50 | |
| Utilization category | Acc. to EN 60947-3 | A | - | - | - | - | - | - | - | - | DC-20B | |
| Further technical specifications | | | | | | | | | | | | |
| Overvoltage category | | | - | - | - | - | - | - | - | - | - | |
| Max. power dissipation of fuse links (conductor cross-section used) | | W | 12 | 25 | 32 | 45 | 60 | 3 (6 mm ²), 4.3 (10 mm ²) | 5 (10 mm ²), 6.5 (25 mm ²) | 9.5 (35 mm ²), 11 (50 mm ²) | 15 (1 ... 50 mm ²) | |
| Pollution degree | | | - | - | - | - | - | 2 | 2 | 2 | - | |
| Further information | | | | | | | | | | | | |
| | | | | | | See page 7/22 | | | See page 7/64 | | | |

¹⁾ Extended rated voltage up to 1000 V
²⁾ Types with UL approval and types with CSA approval may differ

IEC/UL



UL



| Cylindrical fuse holders | | Photovoltaic cylindrical fuse holders | | Class CC fuse holders | Class J fuse holders | | | | |
|--|------------|---|--|--|---|-----|-----|-----|-----|
| 10 x 38 mm | 14 x 51 mm | 10 x 38 mm | 10 x 85 mm | – | – | | | | |
| 3NW70.. 3NW703.-1 | 3NW71.. | 3NW70..-4 | 3NW76..-4 | 3NW75.3-0HG 3NW753.-1HG | 3NW75.3-3HG, 3NW75.3-5HG, 3NW75.3-6HG, 3NW75.3-7HG, 3NW75.3-8HG, 3NW7431-6HG, 3NW7431-7HG, 3NW7431-8HG | | | | |
| IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1 | | IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18 | IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18 | UL 4248-1; CSA C22.2 | UL 4248-1 Ed.1, UL 4248-8 Ed.1 | | | | |
| UL File number E171267 | | UL (File number E469670, CCC) (types without signal detector) | UL (E355487) | UL 4248-1; UL File number E171267; CSA C22.2 | UL File number E171267; CSA File number 233322; Class number 6225-01 | | | | |
| | | – | – | – | | | | | |
| | | | | | Busbar device: | | | | |
| 690 | 690 | – | – | – | – | – | – | – | – |
| 600 | 700 | – | – | 600 | 600 | 600 | 600 | 600 | 600 |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| 100 | 100 | – | – | 200 | 200 | 200 | 200 | 200 | 200 |
| 32 | 50 | 30 | 32 | 30 | 30 | 60 | 100 | 200 | 400 |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | 6 | – | 6 | No information as the devices are only tested and certified to UL/CSA and not to IEC | | | | |
| – | – | – | – | – | – | | | | |
| AC-20B (switching without load) | | – | – | AC-20B (switching without load) | AC-20B (switching without load) | | | | |
| – | – | 1000 | 1500 | 300 | – | – | – | – | – |
| – | – | – | – | – | 600 | 600 | 600 | 600 | 600 |
| – | – | – | – | – | – | – | – | – | – |
| DC-20B (switching without load) | | – | – | DC-20B (switching without load) | DC-20B (switching without load) | | | | |
| – | – | II | – | II | No information as the devices are only tested and certified to UL/CSA and not to IEC | | | | |
| – | – | 4 | 6 | 3 (6 mm ²), 4.3 (10 mm ²) | – | | | | |
| – | – | 2 | – | 2 | No information as the devices are only tested and certified to UL/CSA and not to IEC | | | | |
| See page 7/24 | | See page 7/26 | | See page 7/28 | See page 7/27 | | | | |

MINIZED fuse switch disconnectors



| Size | Rated current | 1P | 1P+N | 2P | 3P | 3P+N |
|------|---------------|---------------|---------------|---------------|---------------|---------------|
| D01 | 2 ... 6 A | 5SG7611-0KK06 | – | – | 5SG7631-0KK06 | – |
| | 10 A | 5SG7611-0KK10 | – | – | 5SG7631-0KK10 | – |
| | 16 A | 5SG7611-0KK16 | 5SG7651-0KK16 | 5SG7621-0KK16 | 5SG7631-0KK16 | 5SG7661-0KK16 |

Note:
NEOZED adapter sleeves are not required for these devices

Accessories

Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

| U_e AC | I_n | U_c | Article No. |
|----------|-------|--------------------|-------------|
| 230 V | 4 A | 3 AC 380 ... 415 V | 5TT3170 |

MINIZED switch disconnectors with fuses

Number of poles

1P



1P+N



2P



3P



3P+N



| Size | Rated current | 1P | 1P+N | 2P | 3P | 3P+N |
|------|---------------|---------|---------|---------|-----------------------------|---------|
| D02 | 25 A | – | – | – | 5SG7133-8BA25 ¹⁾ | – |
| | 35 A | – | – | – | 5SG7133-8BA35 ¹⁾ | – |
| | 50 A | – | – | – | 5SG7133-8BA50 ¹⁾ | – |
| | 63 A | 5SG7113 | 5SG7153 | 5SG7123 | 5SG7133 | 5SG7163 |

¹⁾ Versions for Austria only, with permanently fitted adapter sleeves and incl. fuse link

Note:

NEOZED adapter sleeves are required for these devices, [see page 7/16](#)

Accessories

Reducers



Use

For D01 fuse links in MINIZED switch disconnectors with fuses D02

Article No.

5SH5527

Auxiliary switches (AS)



Version

1 NO + 1 NC

2 NO

2 NC

Article No.

5ST3010

5ST3011

5ST3012

Auxiliary switches (AS) with TEST button



Version

1 NO + 1 NC

2 NO

2 NC

Article No.

5ST3010-2

5ST3011-2

5ST3012-2

5ST3 COM auxiliary switches and fault signal contacts (AS+FC) with communication and measuring function



Version

Article No.

5ST3062-OMC

Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC

230 V

I_n

4 A

U_c




3 AC 380 ... 415 V

Article No.

5TT3170

NEOZED bus-mounting switch disconnectors with fuses

For 8US 60 mm busbar systems

| Mounting width | Size D02 | | |
|----------------|--|---|---|
| | 1.5 MW | 1.5 MW | 1.5 MW |
| |  |  |  |

| For flat copper profiles | Rated current | | Rated voltage | | Standard | Without LED signal detector | | With LED signal detector | |
|--------------------------|--------------------|--------|---------------|----------|----------|-----------------------------|-----------|--------------------------|-----------|
| | IEC | UL 508 | IEC AC | IEC DC | | UL 508 | | | |
| Box terminals | | | | | | | | | |
| 5 mm and 10 mm | 63 A ¹⁾ | – | 400 V AC | – | – | IEC | 5SG7234-1 | – | 5SG7234-2 |
| | 63 A ²⁾ | – | 400 V AC | 110 V DC | – | IEC | – | 5SG7230 | – |

¹⁾ In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5533. Please observe EN 60439-1, Table 1.
²⁾ In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5526. Please observe EN 60439-1, Table 1.

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Suitable accessories

Auxiliary switches



- For signaling the switching state for bus-mounting switch disconnectors

| Contacts | Mounting width | Article No. | Article No. | Article No. |
|----------|----------------|-------------|-------------|-------------|
| 1 CO | 0.5 MW | – | 5SH5525 | – |

Lateral modules



- For greater heat dissipation for loads from 35 A

| Mounting width | Article No. | Article No. | Article No. |
|----------------|-------------|-------------|-------------|
| 0.5 MW | 5SH5533 | 5SH5526 | 5SH5533 |

Reducers



- Use**
For NEOZED D01 fuse links in SR60 bus-mounting switch disconnectors

| Use | Article No. | Article No. | Article No. |
|---|-------------|-------------|-------------|
| For NEOZED D01 fuse links in SR60 bus-mounting switch disconnectors | 5SH5527 | 5SH5527 | 5SH5527 |

Electronic fuse monitor









- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

| U_e AC | I_n | U_c | Article No. | Article No. | Article No. |
|----------|-------|-----------------------|-------------|-------------|-------------|
| 230 V | 4 A | 3 AC 380 ... 415 V AC | 5TT3170 | 5TT3170 | 5TT3170 |

See SITOR semiconductor fuse links (cylindrical fuse design) [from page 13/1](#)

NEOZED fuse bases





| Number of poles | Comfort bases made of molded plastic | | Fuse bases made of molded plastic | | | | |
|-----------------|---|---|---|---|---|---|-----------|
| | 1P | 3P | Without LED signal detector | | With LED signal detector | | |
| |  |  |  |  |  |  | |
| Size | Rated current | | | | | | |
| D01 | 16 A | 5SG1301 | 5SG5301 | 5SG1302 | 5SG5302 | 5SG1302-1 | 5SG5302-1 |
| D02 | 63 A | 5SG1701 | 5SG5701 | 5SG1702 | 5SG5702 | 5SG1702-1 | 5SG5702-1 |
| D03 | 100 A | – | – | – | – | – | – |

Accessories

NEOZED screw caps

| | Material | Version | Fuse size | Article No. |
|--|----------------|-----------------------------------|----------------------|-------------|
|  | Molded plastic | With inspection hole | D01 | 5SH4116 |
| | | | D02 | 5SH4163 |
|  | Ceramic | Without inspection hole, sealable | D01 | 5SH4316 |
| | | | D02 | 5SH4363 |
| | | Without inspection hole | D03 | 5SH4100 |
| | | | With inspection hole | D01 |
| D02 | 5SH4362 | | | |

NEOZED adapter sleeves

| | Fuse size | I_n | Color | Article No. |
|---|---|---------|--------|-------------|
|  | D01 | 2 A | Pink | 5SH5002 |
| | | 4 A | Brown | 5SH5004 |
| | | 6 A | Green | 5SH5006 |
| | | 10/13 A | Red | 5SH5010 |
|  | D02 | 20 A | Blue | 5SH5020 |
| | | 25 A | Yellow | 5SH5025 |
| | | 32 A | Violet | 5SH5032 |
| | | 35/40 A | Black | 5SH5035 |
| | | 50 A | White | 5SH5050 |
|  | D03 | 80 A | Silver | 5SH5080 |
|  | D01 fuse links in D02 base or MINIZED switch disconnectors with fuses D02 | 2 A | Pink | 5SH5402 |
| | | 4 A | Brown | 5SH5404 |
| | | 6 A | Green | 5SH5406 |
| | | 10/13 A | Red | 5SH5410 |
| | | 16 A | Gray | 5SH5416 |

Fuse bases made of ceramic

With clamp-type terminal, on both sides

With saddle terminal, on both sides

With screw head contact at incoming feeder,
clamp-type terminal at outgoing feeder

1P

3P

1P

3P

1P

3P



5SG1553

5SG5553

–

–

–

–

–

–

5SG1653

5SG5653

5SG1693

5SG5693

–

–

–

–

5SG1812

–

NEOZED covers



Fuse size

D03

Article No.

5SH5233

NEOZED adapter sleeve fitters



Article No.

5SH5100

NEOZED retaining springs



Use

For D01 fuse links in D02 screw caps, 2 ... 16 A

Article No.

5SH5400

Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

 U_e AC

230 V

 I_n

4 A





 U_c

3 AC 380 ... 415 V

Article No.

5TT3170


DIAZED fuse bases

| | Number of poles | Fuse bases made of molded plastic With box terminal | | Fuse bases made of ceramic With clamp-type terminal, on both sides | Fuse bases made of ceramic With clamp-type terminal at incoming feeder, saddle terminal at outgoing feeder |
|------|-----------------|---|---|--|---|
| | | 1P | 3P | 1P | 1P |
| | |  |  |  |  |
| Size | Rated current | U_n AC/DC 500/500 V | U_n AC/DC 500/500 V | U_n AC/DC 500/500 V | U_n AC/DC 500/500 V |
| DII | 25 A | 5SF1060 | 5SF5068 | 5SF1005 | – |
| DIII | 63 A | 5SF1260 ¹⁾ | 5SF5268 ¹⁾ | – | 5SF1205 ¹⁾ |

¹⁾ Can also be used for 690 V AC/600 V DC.

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Accessories

| DIAZED screw caps | | | | | | |
|--|------------------|--------------------------------|-----------|---------------------|-------------|---------|
| | Material | Version | Fuse size | Rated voltage AC/DC | Article No. | |
|  | Molded plastic | With inspection hole | NDz | 500/500 V | 5SH1112 | |
| | | | DII | 500/500 V | 5SH1221 | |
| | | | DIII | 500/500 V | 5SH1231 | |
| | Ceramic | Without inspection hole | | DII | 500/500 V | 5SH112 |
| | | | | DIII | 500/500 V | 5SH113 |
| | | With inspection hole, sealable | | DII | 500/500 V | 5SH122 |
| | | | | DIII | 500/500 V | 5SH123 |
| | | Extended version | | DIII | 690/600 V | 5SH1170 |
| | With fine thread | | DIII | 750/750 V | 5SH1161 | |

| DIAZED screw adapters | | | |
|-----------------------|-------------------------------|-------------|--|
| | • Also for 5SF230 up to 750 V | | |
| Fuse size | I_n | Article No. | |
| DII | 2 A | 5SH310 | |
| | 4 A | 5SH311 | |
| | 6 A | 5SH312 | |
| | 10 A | 5SH313 | |
| | 16 A | 5SH314 | |
| | 20 A | 5SH315 | |
| | 25 A | 5SH316 | |
| DIII | 32 A | 5SH327 | |
| | 35 A | 5SH317 | |
| | 50 A | 5SH318 | |
| | 63 A | 5SH320 | |

With screw head contact,
on both sides

1P



U_n AC/DC
750/750 V

5SF4230

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DIAZED reduction sleeves for screw caps



Use

For DII fuse links in DIII base

Article No.

5SH302

DIAZED adapter sleeve fitters



Use

For DII/DIII screw adapters

Article No.

5SH3703

DIAZED cover rings



Fuse size

Material

Article No.

DII

Molded plastic

5SH3401

DIII

Molded plastic

5SH3411

DIAZED caps



Fuse size

Material

Article No.

DII

Molded plastic

5SH202

DIII

Molded plastic

5SH222

Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC

I_n

U_c

Article No.

230 V







4 A

3 AC 380 ... 415 V

5TT3170

Bus-mounting bases

For 8US busbar systems

| | | | | 60 mm compact busbar systems | | 60 mm busbar systems | | |
|------|-------|----------------|-------------------------|---|----------|---|----------|---|
| | | | | NEOZED design | | NEOZED design | | DIAZED design |
| | | | | 3P | | 3P | | 3P |
| | | | |  | |  | |  |
| | | | |  | |  | |  |
| Size | I_n | Mounting width | U_n AC/DC | With touch protection cover | Standard | With touch protection cover | Standard | With touch protection cover |
| D02 | 63 A | 1.5 MW | – | – | 5SG6202 | 5SG6206 | – | – |
| | | 2 MW | – | 5SG6208 | – | 5SG6207 | – | – |
| DII | 25 A | – | 500/500 V | – | – | – | 5SF6015 | 5SF6020 |
| DIII | 63 A | – | 500/500 V ¹⁾ | – | – | – | 5SF6215 | 5SF6220 |



¹⁾ Can also be used for 690 V AC/600 V DC.


Note:

NEOZED adapter sleeves and DIAZED screw adapters as well as the respective screw caps are required, [see page 7/16](#) and [7/18](#)

7

Accessories

| Covers for bus-mounting base standard version for 60 mm busbar systems | | | | | |
|---|--------|-----------|--------------|-------------------------------|-------------|
| | Design | Fuse size | Version | Mounting width (1 MW = 18 mm) | Article No. |
|  | NEOZED | D02 | Standard | 1.5 MW | 5SH5241 |
| | | | Extra wide | 2 MW | 5SH5242 |
| | | | Double width | 3 MW | 5SH5243 |
|  | DIAZED | DII | | | 5SH2042 |
| | | DIII | | | 5SH2242 |

| Electronic fuse monitor | | | | |
|---|---|--------------------|---------|-------------|
|  | <ul style="list-style-type: none"> For all low-voltage fuse systems For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors Signal also for disconnected loads | | | |
| | U_e AC | I_n | U_c | Article No. |
| 230 V | 4 A | 3 AC 380 ... 415 V | 5TT3170 | |

See Busbar systems [from page 13/1](#)

Photovoltaic cumulative fuse bases



| Size | Rated current | Rated voltage DC | | | |
|------|---------------|------------------|---------|-----------|---------------|
| 1 | 250 A | 1000 V | 3NH3230 | – | 3NH7262-4KK01 |
| 1L | 250 A | 1000 V | – | 3NH7260-4 | – |
| 2L | 400 A | 1000 V | – | 3NH7360-4 | 3NH7360-4KK01 |
| 3L | 630 A | 1000/1500 V | – | 3NH7460-4 | – |
| 1XL | 250 A | 1500 V | – | 3NH7261-4 | – |
| 2XL | 400 A | 1500 V | – | 3NH7361-4 | – |

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Accessories

Terminal covers for PV fuse bases with swiveling mechanism



| Fuse link size | Article No. |
|----------------|-------------|
| 1, 1L, 1XL | 3NX3121 |
| 2L, 2XL | 3NX3122 |
| 3L | 3NX3123 |

LV HRC fuse bases



| Size | Rated current | Flat terminals | Plug-in terminal | Saddle-type terminal | Double busbar terminal |
|-----------------|---------------|----------------|------------------|----------------------|------------------------|
| 000/00 | 160 A | 3NH3030 | 3NH3031 | 3NH3032 | – |
| 0 ¹⁾ | 160 A | 3NH3120 | – | – | – |
| 1 | 250 A | 3NH3230 | – | – | 3NH3220 |
| 2 | 400 A | 3NH3330 | – | – | 3NH3320 |
| 3 | 630 A | 3NH3430 | – | – | 3NH3420 |
| 4 | 1250 A | 3NH3530 | – | – | – |
| 4a | 1250 A | – | – | – | – |

¹⁾ No longer to be used for new installations!

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Accessories

LV HRC protective covers for LV HRC fuse bases



- As touch protection for contact pieces

| Size | Article No. |
|--------|-------------|
| 000/00 | 3NX3105 |
| 0 | 3NX3114 |
| 1 | 3NX3106 |
| 2 | 3NX3107 |
| 3 | 3NX3108 |

LV HRC partitions for LV HRC fuse bases



- As intermediate phase and end barrier

| Size | Type | Article No. |
|--------|-------------|-------------|
| 000/00 | 3NH30/3NH40 | 3NX2023 |
| 0 | 3NH31 | 3NX2030 |
| 1 | 3NH32 | 3NX2024 |
| 2 | 3NH33 | 3NX2025 |
| 3 | 3NH34 | 3NX2026 |

LV HRC protective covers




| Size | Number of poles | Article No. |
|--------|-----------------|-------------|
| 000/00 | 1P and 3P | 3NX3115 |

Grip lug cover for plugging into the LV HRC protective cover



| Size | Use | Article No. |
|--------|--|-------------|
| 000/00 | When using fuse links with non-insulated grip lugs | 3NX3116 |

| 3P | | Molded plastic | | With swivel device | |
|--|---|---|---|--------------------|---------|
|  |  |  |  | | |
| Flat terminals | Saddle-type terminal | Flat terminals | Flat terminals | | |
| 3NH4030 | 3NH4032 | 3NH3051 | – | | |
| – | – | – | – | | |
| 3NH4230 | – | – | – | | |
| – | – | – | – | | |
| – | – | – | – | | |
| – | – | – | – | | |
| – | – | – | – | | |
| – | – | – | – | | 3NH7520 |

Blanking covers for LV HRC fuse bases (instead of LV HRC fuse link)



- Red color
- With inscription "Isolating point"
- Observe width 60 mm of the blank insert when using for size 1

| Size | Article No. |
|---------|-------------|
| 000/00 | 3NX1003 |
| 1, 2, 3 | 3NX1004 |

Fuse pullers for LV HRC fuse links



| Size | Version | Article No. |
|-----------|----------------|-------------|
| 000 ... 3 | Without sleeve | 3NX1013 |
| | With sleeve | 3NX1014 |

Isolating blades for LV HRC fuse bases and fuse switch disconnectors



| Version | Contacts | Size | Article No. |
|------------------------------|---------------|--------|-------------|
| With insulated grip lugs | Silver-plated | 000/00 | 3NG1002 |
| | | 0 | 3NG1102 |
| | | 1 | 3NG1202 |
| | | 2 | 3NG1302 |
| | | 3 | 3NG1402 |
| With non-insulated grip lugs | Tin-coated | 4 | 3NG1503 |
| | Nickel-plated | 4a | 3NG1505 |

Cylindrical fuse holders

Number of poles

1P

1P+N

2P

3P

3P+N



| For fuses of size | Rated current | Standard | Standard | Standard | Standard | Compact | Bus-mounting fuse holders | Standard |
|------------------------------------|---------------|----------|----------|----------|----------|-----------|---------------------------|----------|
| Without LED signal detector | | | | | | | | |
| 8 × 32 mm | 20 A | 3NW7313 | 3NW7353 | 3NW7323 | 3NW7333 | – | – | 3NW7363 |
| 10 × 38 mm | 30 A | – | – | – | – | – | 3NW7431 | – |
| | 32 A | 3NW7013 | 3NW7053 | 3NW7023 | 3NW7033 | 3NW7033-1 | – | 3NW7063 |
| 14 × 51 mm | 50 A | 3NW7111 | 3NW7151 | 3NW7121 | 3NW7131 | – | – | 3NW7161 |
| 22 × 58 mm | 100 A | 3NW7211 | 3NW7251 | 3NW7221 | 3NW7231 | – | – | 3NW7261 |
| With LED signal detector | | | | | | | | |
| 8 × 32 mm | 20 A | 3NW7314 | 3NW7354 | 3NW7324 | 3NW7334 | – | – | 3NW7364 |
| 10 × 38 mm | 32 A | 3NW7014 | 3NW7054 | 3NW7024 | 3NW7034 | 3NW7034-1 | – | 3NW7064 |
| 14 × 51 mm | 50 A | 3NW7112 | 3NW7152 | 3NW7122 | 3NW7132 | – | – | 3NW7162 |
| 22 × 58 mm | 100 A | 3NW7212 | 3NW7252 | 3NW7222 | 3NW7232 | – | – | 3NW7262 |

Note:

Semiconductor fuses heat up substantially more than standard fuses of operational classes gG and aM.

We therefore recommend only using SITOR cylindrical fuses in the intended SITOR fuse holders and complying with the maximum permissible current-carrying capacity.

Accessories

Auxiliary switches for cylindrical fuse holders, standard



- For retrofitting using the factory-fitted brackets

| Display | Fuse link size | Article No. |
|--|--------------------------|-------------|
| Disconnection of fuse link, for striker fuse links | 14 × 51 mm | 3NW7901 |
| | 22 × 58 mm | 3NW7902 |
| Switching state of fuse holder | 8 × 32 mm and 10 × 38 mm | 3NW7903 |

Auxiliary switches for cylindrical fuse holders, compact



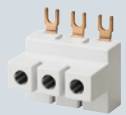
| In/AC-12 | U_n | Contacts | Article No. |
|----------|------------|-------------|-------------|
| 5 A | Max. 250 V | 1 NO + 1 NC | 3NW7903-1 |

Busbars for cylindrical fuse holders, compact



| Number of poles | I_n | Pin spacing | Length | Article No. |
|-----------------|-------|-------------|--------|-------------|
| 2 × 3P | 63 A | 15 mm | 45 mm | 5ST2601 |
| 3 × 3P | 63 A | 15 mm | 90 mm | 5ST2602 |
| 4 × 3P | 63 A | 15 mm | 135 mm | 5ST2603 |
| 5 × 3P | 63 A | 15 mm | 180 mm | 5ST2604 |

Terminals for cylindrical fuse holders, compact



| Version | Article No. |
|---|-------------|
| For conductor cross-sections 2.5 ... 35 mm ² | 5ST2600 |

 See Busbar systems [from page 13/1](#)

Fuse holders and bases for SITOR semiconductor fuses

For SITOR fuses with bolt-on links or blade contacts



| Rated current | Rated voltage AC/DC | For fuse series | Mounting dimensions | | |
|---------------|---------------------|--|---------------------|---------|---------|
| 50 A | 690 V | 3NC18 | 75 mm | 3NH5723 | – |
| 315 A | 690 V | 3NE87, 3NC26 | 80 mm | 3NH5023 | – |
| 400 A | 690 V | 3NE80...3MK | 80 mm | 3NH5323 | – |
| 630 A | 1800 V | 3NE53, 3NE56 | 170 mm | – | 3NH5473 |
| 1250 A | 1250 V | 3NC24, 3NC33...-1U, 3NC34...-1U, 3NC84, 3NE1...-3, NE32, 3NE33 | 110 mm | – | 3NH5463 |
| 1600 A | 690 V | 3NE82...3MK | 80 mm | – | 3NH5423 |

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For cylindrical fuses

Cylindrical fuse holders, can be used as fuse switch disconnectors

Number of poles

1P



2P



3P



| For fuses of size | Rated voltage AC/DC | With signaling switch | | | |
|-------------------|---------------------|-----------------------|-----------|-------------|-------------|
| 10 × 38 mm | 600/- V | – | – | – | – |
| | 690/800 V | 3NC1091 | – | 3NC1092 | 3NC1093 |
| 14 × 51 mm | 690/800 V | 3NC1491 | 3NC1491-5 | 3NC1492 | 3NC1493 |
| 22 × 58 mm | 690/800 V | 3NC2291 | 3NC2291-5 | 3NC2292 | 3NC2293 |
| 22 × 127 mm | 1500/1000 V | 3NC2391-0MK | – | 3NC2392-0MK | 3NC2393-0MK |

Note:

Please comply with the maximum permissible current-carrying capacity.

Accessories

Fuse tongs








For fuses of size

10 × 38 mm
14 × 51 mm
22 × 58 mm

Article No.








3NC1000

Photovoltaic cylindrical fuse holders







| | | Without signal detector | | | With signal detector | |
|-------------------|---------------|---|---|---|---|---|
| Number of poles | | 1P | 1P | 2P | 1P | 2P |
| | |  |  |  |  |  |
| For fuses of size | Rated current | U_n DC 1000 V | U_n DC 1500 V | U_n DC 1000 V | U_n DC 1000 V | U_n DC 1000 V |
| 10 × 38 mm | 30 A | 3NW7013-4 | – | 3NW7023-4 | 3NW7014-4 | 3NW7024-4 |
| 10 × 85 mm | 32 A | – | 3NW7613-4 | – | – | – |

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Class J fuse holders



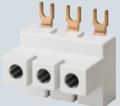
| | For mounting on DIN mounting rail | | | For screwing onto mounting plate | Bus-mounting fuse holders for 8US 60 mm busbar systems | | | |
|-------------------|-----------------------------------|---|---|---|---|---|---|---|
| | Number of poles | 1P | 2P | 3P | 3P | 3P | 3P | |
| | |  |  |  |  |  |  |  |
| For fuses of size | Rated current | Rated voltage | | | | | | |
| 21 × 57 mm | 30 A | 600 V | 3NW7511-3HG | 3NW7521-3HG | 3NW7531-3HG | – | – | – |
| 27 × 60 mm | 60 A | 600 V | 3NW7511-5HG | 3NW7521-5HG | 3NW7531-5HG | – | – | – |
| 28 × 118 mm | 100 A | 600 V | – | – | – | 3NW7531-6HG | 3NW7431-6HG | – |
| 41 × 146 mm | 200 A | 600 V | – | – | – | 3NW7531-7HG | – | 3NW7431-7HG |
| 54 × 181 mm | 400 A | 600 V | – | – | – | 3NW7531-8HG | – | 3NW7431-8HG |

Class CC fuse holders

| | Standard | | | Compact | | Bus-mounting fuse holders for 8US 60 mm busbar systems |
|---------------|---|---|---|---|---|---|
| | Number of poles | 1P | 2P | 3P | 3P | 3P |
| |  |  |  |  |  |  |
| Rated current | Rated voltage | | | Signal detector | | |
| 30 A | 600 V | | | without | with | |
| | 3NW7513-0HG | 3NW7523-0HG | 3NW7533-0HG | 3NW7533-1HG | 3NW7534-1HG | 3NW7431-0HG |

Accessories for standard Class CC fuse holders, see busbar systems [from page 13/1](#)

Accessories

| Auxiliary switches for cylindrical fuse holders, compact | | | | |
|---|---|------------|--------------------|--------------------|
|  | In/AC-12 | U_n | Contacts | Article No. |
| | 5 A | Max. 250 V | 1 NO + 1 NC | 3NW7903-1 |
| Busbars for Class CC fuse holders, compact | | | | |
|  | Number of poles | I_n | Pin spacing | Length |
| | 2x 3P | 63 A | 15 mm | 45 mm |
| | 3x 3P | 63 A | 15 mm | 90 mm |
| | 4x 3P | 63 A | 15 mm | 135 mm |
| | 5x 3P | 63 A | 15 mm | 180 mm |
| | | | | 5ST2604 |
| Terminals for Class CC fuse holders, compact | | | | |
|  | Version | | | Article No. |
| | For conductor cross-sections 2.5 ... 35 mm ² | | | 5ST2600 |

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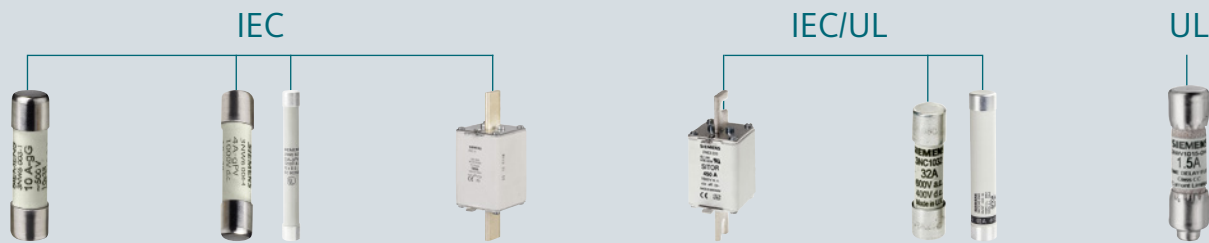
Quick selection guide of fuse links

IEC



| | NEOZED fuse links | DIAZED fuse links | SILIZED fuse links | LV HRC fuse links | 3NA COM LV HRC fuse links ¹⁾ |
|------------------------------------|-------------------------------|---|--|--|--|
| Basic data | | | | | |
| Design | NEOZED | DIAZED | NEOZED, DIAZED | LV HRC | LV HRC |
| Size/for fuses of size | D01, D02, D03 | NDz, DII, DIII | D01, D02, DII, DIII, DIV | 000/00, 0, 1, 2, 3, 4, 4a | 2 |
| Operational class | gG | gG | gR | gG, aM | gG, gFF |
| Rated current | A | 2...100 | 2...100 | 10...100 | 2...1250 |
| Standards | | | | | |
| Standard | IEC 60269-3 DIN VDE 0636-3 | IEC 60269-3 DIN VDE 0635 DIN VDE 0636-3 CEE 16 | IEC 60269-3/-4 DIN VDE 0636-3 EN 60269-4 (VDE 0636-4) | IEC 60269-1/-2 EN 60269-1/-2 DIN VDE 0636-1/-2 | IEC 60269-1/-2 EN 60269-1/-2 DIN VDE 0636-1/-2 |
| Approvals | – | – | – | CSA 22.2 | VDE, KEMA |
| Technical specifications AC | | | | | |
| Rated voltage AC | V | 400 | 500...750 | 400...500 | 400...690 600 (CSA) |
| Rated breaking capacity AC | kA | 50 | 50 | 50 | 120 |
| Technical specifications DC | | | | | |
| Rated voltage DC | V | 250 | 500...750 | 250...500 | 250...440 |
| Rated breaking capacity DC | kA | 8 | 8 | 8 | 25 |
| Further information | | | | | |
| | See page 7/33 | See page 7/33 | See page 7/34 | See page 7/42 | See page 7/42 |

¹⁾ With current measuring function and wireless communication







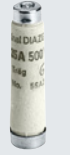
| Cylindrical fuse links | Photovoltaic cylindrical fuse links | Photovoltaic cumulative fuse links | SITOR LV HRC semiconductor fuse links | SITOR cylindrical semiconductor fuse links | Class CC fuse links |
|--|--|--------------------------------------|---------------------------------------|---|------------------------|
| Cylindrical 8 × 32 mm, 10 × 38 mm, 14 × 51 mm, 22 × 58 mm | Cylindrical 10 × 38 mm, 10 × 85 mm | LV HRC 1, 1L, 2L, 3L, 1XL, 2XL | LV HRC 000, 00, 1, 2, 3 | Cylindrical 10 × 38 mm, 14 × 51 mm, 22 × 58 mm | Cylindrical – |
| gG, aM 0.5 ... 100 | gPV 2 ... 20 | gPV 63 ... 630 | gS, gR, aR 6 ... 2400 | gS, gR, aR 1 ... 125 | – 0.6 ... 30 |
| IEC 60269-1/-2 NF C 60-200 NF C 63-210/-211 NBN C 63269-2 CEI 32-4/-12 UL 4248-1; CSA | IEC 60269-6 | IEC 60269-6 | IEC 60269-4 | IEC 60269-2 | – |
| – | – | – | UL 4248-1 UL 4248-13 | UL 4248-1 UL 4248-13 | UL 4248-1 CSA C22.2 |
| 400 ... 690 400 ... 600 (UL/CSA) 20 ... 120 | – | – | 500 ... 2500 100 ... 150 | 690 ... 1500 600 ... 1500 (UL/CSA) 100 | 600 200 |
| – | 1000 ... 1500 | 1000 ... 1500 | 400 ... 1500 | 250 ... 1000 | 150 ... 300 |
| – | 30 | 30 | – | – | – |
| See page 7/42 | See page 7/42 | See page 7/42 | See page 7/42 | See page 7/42 | See page 7/42 |

NEOZED fuse links

Operational class gG

| | | | Size D01 | Size D02 | Size D03 |
|-------|----------------------|---------------|---|--|---|
| | | |  |  |  |
| I_n | Identification color | Contacts | U_n AC/DC 400/250 V | U_n AC/DC 400/250 V | U_n AC/DC 400/250 V |
| 2 A | Pink | – | 5SE2302 | – | – |
| 4 A | Brown | – | 5SE2304 | – | – |
| 6 A | Green | – | 5SE2306 | – | – |
| 10 A | Red | – | 5SE2310 | – | – |
| 13 A | Black | – | 5SE2013-2A | – | – |
| 16 A | Gray | – | 5SE2316 | – | – |
| 20 A | Blue | Tin-coated | – | 5SE2320 | – |
| 25 A | Yellow | Tin-coated | – | 5SE2325 | – |
| 32 A | Violet | Tin-coated | – | 5SE2332 | – |
| 35 A | Black | Tin-coated | – | 5SE2335 | – |
| 40 A | Black | Silver-plated | – | 5SE2340 | – |
| 50 A | White | Silver-plated | – | 5SE2350 | – |
| 63 A | Copper | Silver-plated | – | 5SE2363 | – |
| 80 A | Blue | – | – | – | 5SE2280 |
| 100 A | Red | – | – | – | 5SE2300 |

DIAZED fuse links

| | | Size DII E27 | | Size DIII ¹⁾ E33 | | | Size DIV R 1¼" | | Size TNDz E16 | |
|-------------------|----------------------|---|--------|---|---------|--------|---|--|---|--|
| Operational class | | gG | | gG | | | quick | gG | slow | |
| | |  | |  | | |  |  |  | |
| I_n | Identification color | U_n AC/DC 500/440 V 500/500 V | | U_n AC/DC 500/440 V 690/600 V 750/750 V | | | U_n AC/DC 500/400 V | U_n AC/DC 500/440 V 500/500 V | | |
| 2 A | Pink | – | 5SB211 | – | 5SD8002 | 5SD601 | – | – | 5SA211 | |
| 4 A | Brown | – | 5SB221 | – | 5SD8004 | 5SD602 | – | – | 5SA221 | |
| 6 A | Green | – | 5SB231 | – | 5SD8006 | 5SD603 | – | – | 5SA231 | |
| 10 A | Red | – | 5SB251 | – | 5SD8010 | 5SD604 | – | – | 5SA251 | |
| 16 A | Gray | 5SB2611 | – | – | 5SD8016 | 5SD605 | – | 5SA2611 | – | |
| 20 A | Blue | 5SB2711 | – | – | 5SD8020 | 5SD606 | – | 5SA2711 | – | |
| 25 A | Yellow | 5SB2811 | – | – | 5SD8025 | 5SD607 | – | 5SA2811 | – | |
| 32 A | Violet | – | – | 5SB4011 | – | – | – | – | – | |
| 35 A | Black | – | – | 5SB4111 | 5SD8035 | 5SD608 | – | – | – | |
| 50 A | White | – | – | 5SB4211 | 5SD8050 | 5SD610 | – | – | – | |
| 63 A | Copper | – | – | 5SB4311 | 5SD8063 | 5SD611 | – | – | – | |
| 80 A | Silver | – | – | – | – | – | 5SC211 | – | – | |
| 100 A | Red | – | – | – | – | – | 5SC221 | – | – | |

¹⁾ For 2 ... 25 A use screw adaptor DII

SILIZED fuse links

Operational class gR



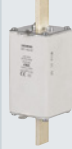
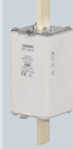




| I_n | Switch-off I^2t value | Power loss P_v | NEOZED design | | DIAZED design | | |
|-------|-------------------------|------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | U_n AC/DC 400/250 V | U_n AC/DC 400/250 V | U_n AC/DC 500/500 V | U_n AC/DC 500/500 V | U_n AC/DC 500/500 V |
| 10 A | 73 A ² s | 6.9 W | 5SE1310 | – | – | – | – |
| 16 A | 60 A ² s | 12.1 W | – | – | 5SD420 | – | – |
| | 120 A ² s | 6.2 W | 5SE1316 | – | – | – | – |
| 20 A | 139 A ² s | 12.3 W | – | – | 5SD430 | – | – |
| | 190 A ² s | 8.1 W | – | 5SE1320 | – | – | – |
| 25 A | 205 A ² s | 12.5 W | – | – | 5SD440 | – | – |
| | 215 A ² s | 8.2 W | – | 5SE1325 | – | – | – |
| 30 A | 310 A ² s | 13.5 W | – | – | 5SD480 | – | – |
| 35 A | 470 A ² s | 16.7 W | – | 5SE1335 | – | – | – |
| | 539 A ² s | 14.8 W | – | – | – | 5SD450 | – |
| 50 A | 1250 A ² s | 18.5 W | – | – | – | 5SD460 | – |
| | 1960 A ² s | 12.0 W | – | 5SE1350 | – | – | – |
| 63 A | 1890 A ² s | 28 W | – | – | – | 5SD470 | – |
| | 4230 A ² s | 15.5 W | – | 5SE1363 | – | – | – |
| 80 A | 4200 A ² s | 34.3 W | – | – | – | – | 5SD510 |
| 100 A | 8450 A ² s | 41.5 W | – | – | – | – | 5SD520 |

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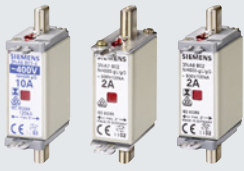


Photovoltaic cumulative fuse links

Operational class gPV




| | | Size 1 | Size 1L | Size 2L | Size 3L | Size 1XL | Size 2XL |
|----------|------------------|---|---|---|--|---|---|
| | |  |  |  |  |  |  |
| I_n DC | Power loss P_v | U_n DC 1000 V | U_n DC 1000 V | U_n DC 1000 V | U_n DC 1000 V | U_n DC 1500 V | U_n DC 1500 V |
| 63 A | 19 W | 3NE1218-4 | – | – | – | – | – |
| | 20 W | – | – | – | – | 3NE1218-5E | – |
| 80 A | 20 W | 3NE1220-4 | – | – | – | – | – |
| | 25 W | – | – | – | – | 3NE1220-5E | – |
| 100 A | 24 W | 3NE1221-4 | – | – | – | – | – |
| | 30 W | – | – | – | – | 3NE1221-5E | – |
| 125 A | 26 W | 3NE1222-4 | – | – | – | – | – |
| | 29 W | – | – | – | – | 3NE1222-5E | – |
| 160 A | 32 W | 3NE1224-4 | – | – | – | – | – |
| | 34 W | – | – | – | – | 3NE1224-5E | – |
| 200 A | 41 W | – | – | – | – | 3NE1225-5E | – |
| | 51 W | – | 3NE1225-4D | – | – | – | – |
| 250 A | 53 W | – | – | – | – | – | 3NE1327-5E |
| | 54 W | – | 3NE1227-4D | – | – | – | – |
| 315 A | 63 W | – | – | – | – | – | 3NE1330-5E |
| | 73 W | – | – | 3NE1330-4D | – | – | – |
| 400 A | 82 W | – | – | 3NE1332-4D | – | – | – |
| 500 A | 100 W | – | – | – | 3NE1434-4E | – | – |
| 630 A | 110 W | – | – | – | 3NE1436-4E | – | – |

LV HRC fuse links

Operational class gG, with combination alarm

| Mounting width | Size 000 | | | Size 00 | | | Size 1 | | |
|--------------------------------|---|--------------------------|--------------------------|---|--------------------------|--------------------------|---|--------------------------|--------------------------|
| | 21 mm | | | 30 mm | | | 30 mm | | |
| |  | | |  | | |  | | |
| I_n | U_n AC 400 V | U_n AC/DC 500/250 V | 690 ¹⁾ /250 V | U_n AC 400 V | U_n AC/DC 500/250 V | 690 ¹⁾ /250 V | U_n AC 400 V | U_n AC/DC 500/440 V | 690 ¹⁾ /440 V |
| Insulated grip lugs | | | | | | | | | |
| 2 A | – | 3NA6802 | 3NA6802-6 | – | – | – | – | – | – |
| 4 A | – | 3NA6804 | 3NA6804-6 | – | – | – | – | – | – |
| 6 A | – | 3NA6801 | 3NA6801-6 | – | – | – | – | – | – |
| 10 A | 3NA6803-4 | 3NA6803 | 3NA6803-6 | – | – | – | – | – | – |
| 16 A | 3NA6805-4 | 3NA6805 | 3NA6805-6 | – | – | – | – | 3NA6105 | – |
| 20 A | 3NA6807-4 | 3NA6807 | 3NA6807-6 | – | – | – | – | 3NA6107 | – |
| 25 A | 3NA6810-4 | 3NA6810 | 3NA6810-6 | – | – | – | – | 3NA6110 | – |
| 32 A | 3NA6812-4 | 3NA6812 | 3NA6812-6 | – | – | – | – | – | – |
| 35 A | 3NA6814-4 | 3NA6814 | 3NA6814-6 | – | – | – | 3NA6114-4 | 3NA6114 | – |
| 40 A | 3NA6817-4 | 3NA6817 | 3NA6817-6KJ | – | – | 3NA6817-6 | 3NA6117-4 | 3NA6117 | – |
| 50 A | 3NA6820-4 | 3NA6820 | 3NA6820-6KJ | – | – | 3NA6820-6 | 3NA6120-4 | 3NA6120 | 3NA6120-6 |
| 63 A | 3NA6822-4 | 3NA6822 | – | – | – | 3NA6822-6 | 3NA6122-4 | 3NA6122 | 3NA6122-6 |
| 80 A | 3NA6824-4 | 3NA6824 | – | 3NA6824-4KK | 3NA6824-7 | 3NA6824-6 | 3NA6124-4 | 3NA6124 | 3NA6124-6 |
| 100 A | 3NA6830-4 | 3NA6830 | – | 3NA6830-4KK | 3NA6830-7 | 3NA6830-6 | 3NA6130-4 | 3NA6130 | 3NA6130-6 |
| 125 A | – | – | – | 3NA6832-4 | 3NA6832 | – | 3NA6132-4 | 3NA6132 | 3NA6132-6 |
| 160 A | – | – | – | 3NA6836-4 | 3NA6836 | – | 3NA6136-4 | 3NA6136 | 3NA6136-6 |
| 200 A | – | – | – | – | – | – | – | – | – |
| 224 A | – | – | – | – | – | – | – | – | – |
| 250 A | – | – | – | – | – | – | – | – | – |
| 300 A | – | – | – | – | – | – | – | – | – |
| 315 A | – | – | – | – | – | – | – | – | – |
| 355 A | – | – | – | – | – | – | – | – | – |
| 400 A | – | – | – | – | – | – | – | – | – |
| Non-insulated grip lugs | | | | | | | | | |
| 2 A | – | 3NA7802 | 3NA7802-6 | – | – | – | – | – | – |
| 4 A | – | 3NA7804 | 3NA7804-6 | – | – | – | – | – | – |
| 6 A | – | 3NA7801 | 3NA7801-6 | – | – | – | – | – | – |
| 10 A | – | 3NA7803 | 3NA7803-6 | – | – | – | – | – | – |
| 16 A | – | 3NA7805 | 3NA7805-6 | – | – | – | – | 3NA7105 | – |
| 20 A | – | 3NA7807 | 3NA7807-6 | – | – | – | – | 3NA7107 | – |
| 25 A | – | 3NA7810 | 3NA7810-6 | – | – | – | – | 3NA7110 | – |
| 32 A | – | 3NA7812 | 3NA7812-6 | – | – | – | – | – | – |
| 35 A | – | 3NA7814 | 3NA7814-6 | – | – | – | – | 3NA7114 | – |
| 40 A | – | 3NA7817 | 3NA7817-6KJ | – | – | 3NA7817-6 | – | 3NA7117 | – |
| 50 A | – | 3NA7820 | 3NA7820-6KJ | – | – | 3NA7820-6 | – | 3NA7120 | 3NA7120-6 |
| 63 A | – | 3NA7822 | – | – | – | 3NA7822-6 | – | 3NA7122 | 3NA7122-6 |
| 80 A | – | 3NA7824 | – | – | 3NA7824-7 | 3NA7824-6 | – | 3NA7124 | 3NA7124-6 |
| 100 A | – | 3NA7830 | – | – | 3NA7830-7 | 3NA7830-6 | – | 3NA7130 | 3NA7130-6 |
| 125 A | – | – | – | – | 3NA7832 | – | – | 3NA7132 | 3NA7132-6 |
| 160 A | – | – | – | – | 3NA7836 | – | – | 3NA7136 | 3NA7136-6 |
| 200 A | – | – | – | – | – | – | – | – | – |
| 224 A | – | – | – | – | – | – | – | – | – |
| 250 A | – | – | – | – | – | – | – | – | – |
| 300 A | – | – | – | – | – | – | – | – | – |
| 315 A | – | – | – | – | – | – | – | – | – |
| 355 A | – | – | – | – | – | – | – | – | – |
| 400 A | – | – | – | – | – | – | – | – | – |

¹⁾ Manufacturer's confirmation for 690 V +10% rated voltage available on request.







| Size 1 47.2 mm | | | Size 2 47.2 mm | | | Size 2 57.8 mm | | |
|--|---|---|-------------------|-------------|--------------------------|-------------------|-------------|--------------------------|
|  |  |  | | | | | | |
| U_n AC | U_n AC/DC | | U_n AC | U_n AC/DC | | U_n AC | U_n AC/DC | |
| 400 V | 500/440 V | 690 ¹⁾ /440 V | 400 V | 500/440 V | 690 ¹⁾ /440 V | 400 V | 500/440 V | 690 ¹⁾ /440 V |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | 3NA6214 | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | 3NA6220-4 | 3NA6220 | - | - | - | - |
| - | - | - | 3NA6222-4 | 3NA6222 | - | - | - | - |
| - | - | - | 3NA6224-4 | 3NA6224 | 3NA6224-6 | - | - | - |
| - | - | - | 3NA6230-4 | 3NA6230 | 3NA6230-6 | - | - | - |
| - | - | - | 3NA6232-4 | 3NA6232 | 3NA6232-6 | - | - | - |
| - | - | - | 3NA6236-4 | 3NA6236 | 3NA6236-6 | - | - | - |
| 3NA6140-4 | 3NA6140 | 3NA6140-6 | 3NA6240-4 | 3NA6240 | 3NA6240-6 | - | - | - |
| 3NA6142-4 | 3NA6142 | - | 3NA6242-4 | 3NA6242 | - | - | - | 3NA6242-6 |
| 3NA6144-4 | 3NA6144 | - | 3NA6244-4 | 3NA6244 | - | - | - | 3NA6244-6 |
| - | - | - | - | - | - | 3NA6250-4 | 3NA6250 | 3NA6250-6 |
| - | - | - | - | - | - | 3NA6252-4 | 3NA6252 | 3NA6252-6 |
| - | - | - | - | - | - | 3NA6254-4 | 3NA6254 | - |
| - | - | - | - | - | - | 3NA6260-4 | 3NA6260 | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | 3NA7214 | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | 3NA7220 | - | - | - | - |
| - | - | - | - | 3NA7222 | - | - | - | - |
| - | - | - | - | 3NA7224 | 3NA7224-6 | - | - | - |
| - | - | - | - | 3NA7230 | 3NA7230-6 | - | - | - |
| - | - | - | - | 3NA7232 | 3NA7232-6 | - | - | - |
| - | - | - | - | 3NA7236 | 3NA7236-6 | - | - | - |
| - | 3NA7140 | 3NA7140-6 | - | 3NA7240 | 3NA7240-6 | - | - | - |
| - | 3NA7142 | - | - | 3NA7242 | - | - | - | 3NA7242-6 |
| - | 3NA7144 | - | - | 3NA7244 | - | - | - | 3NA7244-6 |
| - | - | - | - | - | - | - | - | 3NA7250-6 |
| - | - | - | - | - | - | - | 3NA7252 | 3NA7252-6 |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | 3NA7260 | - |

LV HRC fuse links

Operational class gG, with front indicator









| | Size 000 | | | Size 00 | | Size 0 | Size 1 | | | | |
|--------------------------------|---|---------|-------------|---|-----------|--------------------------|---|-----------|---------|---|---|
| Mounting width | 21 mm | | | 30 mm | | 30 mm | 30 mm | | | 47.2 mm | |
| I_n | U_n AC/DC 400/250 V 500/250 V 690 ¹⁾ /250 V | | | U_n AC/DC 500/250 V 690 ¹⁾ /250 V | | U_n AC/DC 500/440 V | U_n AC/DC 500/440 V 690 ¹⁾ /440 V | | | U_n AC/DC 500/440 V 690 ¹⁾ /440 V | |
| Non-insulated grip lugs | | | | | | | | | | | |
| 2 A | - | 3NA3802 | 3NA3802-6 | - | - | - | - | - | - | - | - |
| 4 A | - | 3NA3804 | 3NA3804-6 | - | - | - | - | - | - | - | - |
| 6 A | - | 3NA3801 | 3NA3801-6 | - | - | 3NA3001 | - | - | - | - | - |
| 10 A | - | 3NA3803 | 3NA3803-6 | - | - | 3NA3003 | - | - | - | - | - |
| 16 A | - | 3NA3805 | 3NA3805-6 | - | - | 3NA3005 | 3NA3105 | - | - | - | - |
| 20 A | - | 3NA3807 | 3NA3807-6 | - | - | 3NA3007 | 3NA3107 | - | - | - | - |
| 25 A | - | 3NA3810 | 3NA3810-6 | - | - | 3NA3010 | 3NA3110 | - | - | - | - |
| 32 A | - | 3NA3812 | 3NA3812-6 | - | - | 3NA3012 | - | - | - | - | - |
| 35 A | - | 3NA3814 | 3NA3814-6 | 3NA3814-7 | - | 3NA3014 | 3NA3114 | - | - | - | - |
| 40 A | - | 3NA3817 | 3NA3817-6KJ | - | 3NA3817-6 | 3NA3017 | 3NA3117 | - | - | - | - |
| 50 A | - | 3NA3820 | 3NA3820-6KJ | 3NA3820-7 | 3NA3820-6 | 3NA3020 | 3NA3120 | 3NA3120-6 | - | - | - |
| 63 A | - | 3NA3822 | - | 3NA3822-7 | 3NA3822-6 | 3NA3022 | 3NA3122 | 3NA3122-6 | - | - | - |
| 80 A | - | 3NA3824 | - | 3NA3824-7 | 3NA3824-6 | 3NA3024 | 3NA3124 | 3NA3124-6 | - | - | - |
| 100 A | - | 3NA3830 | - | 3NA3830-7 | 3NA3830-6 | 3NA3030 | 3NA3130 | 3NA3130-6 | - | - | - |
| 125 A | 3NA3832-8 | - | - | 3NA3832 | - | 3NA3032 | 3NA3132 | 3NA3132-6 | - | - | - |
| 160 A | 3NA3836-8 | - | - | 3NA3836 | - | 3NA3036 | 3NA3136 | 3NA3136-6 | - | - | - |
| 200 A | - | - | - | - | - | - | - | - | 3NA3140 | 3NA3140-6 | - |
| 224 A | - | - | - | - | - | - | - | - | 3NA3142 | - | - |
| 250 A | - | - | - | - | - | - | - | - | 3NA3144 | 3NA3144-6 | - |
| 300 A | - | - | - | - | - | - | - | - | - | - | - |
| 315 A | - | - | - | - | - | - | - | - | - | - | - |
| 355 A | - | - | - | - | - | - | - | - | - | - | - |
| 400 A | - | - | - | - | - | - | - | - | - | - | - |
| 425 A | - | - | - | - | - | - | - | - | - | - | - |
| 500 A | - | - | - | - | - | - | - | - | - | - | - |
| 630 A | - | - | - | - | - | - | - | - | - | - | - |
| 800 A | - | - | - | - | - | - | - | - | - | - | - |
| 1000 A | - | - | - | - | - | - | - | - | - | - | - |
| 1250 A | - | - | - | - | - | - | - | - | - | - | - |

¹⁾ Manufacturer's confirmation for 690 V +10% rated voltage available on request.

| Size 2 | | Size 3 | | | | Size 4 (IEC design) | | Size 4a | |
|--|------------------|---|-------------|---|-------------|--|------------------|---|---|
| 47.2 mm | | 57.8 mm | | 57.8 mm | | 71.2 mm | | 101.8 mm | 101.8 mm |
|  | |  | |  | |  | |  |  |
| U_n AC/DC | $690^{1)}/440$ V | U_n AC/DC | $500/440$ V | $690^{1)}/440$ V | U_n AC/DC | $500/440$ V | $690^{1)}/440$ V | U_n AC/DC | U_n AC/DC |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| 3NA3214 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| 3NA3220 | - | - | - | - | - | - | - | - | - |
| 3NA3222 | - | - | - | - | - | - | - | - | - |
| 3NA3224 | 3NA3224-6 | - | - | - | - | - | - | - | - |
| 3NA3230 | 3NA3230-6 | - | - | - | - | - | - | - | - |
| 3NA3232 | 3NA3232-6 | - | - | - | - | - | - | - | - |
| 3NA3236 | 3NA3236-6 | - | - | - | - | - | - | - | - |
| 3NA3240 | 3NA3240-6 | - | - | 3NA3340 | - | - | - | - | - |
| 3NA3242 | - | - | 3NA3242-6 | 3NA3342 | - | - | - | - | - |
| 3NA3244 | - | - | 3NA3244-6 | 3NA3344 | 3NA3344-6 | - | - | - | - |
| - | - | 3NA3250 | 3NA3250-6 | 3NA3350 | - | - | - | - | - |
| - | - | 3NA3252 | 3NA3252-6 | 3NA3352 | 3NA3352-6 | - | - | - | - |
| - | - | 3NA3254 | - | 3NA3354 | - | - | 3NA3354-6 | - | - |
| - | - | 3NA3260 | - | 3NA3360 | - | - | 3NA3360-6 | - | - |
| - | - | - | - | - | - | 3NA3362 | 3NA3362-6 | - | - |
| - | - | - | - | - | - | 3NA3365 | 3NA3365-6 | - | 3NA3665 |
| - | - | - | - | - | - | 3NA3372 | - | 3NA3472 | 3NA3672 |
| - | - | - | - | - | - | - | - | 3NA3475 | 3NA3675 |
| - | - | - | - | - | - | - | - | 3NA3480 | 3NA3680 |
| - | - | - | - | - | - | - | - | 3NA3482 | 3NA3682 |

LV HRC fuse links

Operational class aM, with front indicator

| | Size 000 | Size 00 | Size 1 | Size 2 | Size 2 | Size 3 | Size 3 | |
|---|---|---|---|---|---|---|---|----------|
| Mounting width | 21 mm | 30 mm | 30 mm | 47.2 mm | 47.2 mm | 57.8 mm | 57.8 mm | 71.2 mm |
|  |  |  |  |  |  |  |  | |
| I_n | U_n AC | U_n AC | U_n AC | U_n AC | U_n AC | U_n AC | U_n AC | U_n AC |
| | 500 V | 500 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V |
| Non-insulated grip lugs | | | | | | | | |
| 6 A | 3ND1801 | – | – | – | – | – | – | – |
| 10 A | 3ND1803 | – | – | – | – | – | – | – |
| 16 A | 3ND1805 | – | – | – | – | – | – | – |
| 20 A | 3ND1807 | – | – | – | – | – | – | – |
| 25 A | 3ND1810 | – | – | – | – | – | – | – |
| 32 A | 3ND1812 | – | – | – | – | – | – | – |
| 35 A | 3ND1814 | – | – | – | – | – | – | – |
| 40 A | 3ND1817 | – | – | – | – | – | – | – |
| 50 A | 3ND1820 | – | – | – | – | – | – | – |
| 63 A | 3ND1822 | – | 3ND2122 | – | – | – | – | – |
| 80 A | 3ND1824 | – | 3ND2124 | – | – | – | – | – |
| 100 A | 3ND1830-8 | 3ND1830 | 3ND2130 | – | – | – | – | – |
| 125 A | – | 3ND1832 | – | 3ND2132 | 3ND2232 | – | – | – |
| 160 A | – | 3ND1836 | – | 3ND2136 | 3ND2236 | – | – | – |
| 200 A | – | – | – | 3ND2140 | 3ND2240 | – | – | – |
| 250 A | – | – | – | 3ND2144 | 3ND2244 | – | – | – |
| 315 A | – | – | – | – | – | 3ND2252 | 3ND2352 | – |
| 355 A | – | – | – | – | – | 3ND2254 | 3ND2354 | – |
| 400 A | – | – | – | – | – | 3ND2260 | 3ND2360 | – |
| 500 A | – | – | – | – | – | – | – | 3ND1365 |
| 630 A | – | – | – | – | – | – | – | 3ND1372 |

7

3NA COM LV HRC fuse links with communication and measuring function **new**

With front indicator and non-insulated grip lugs

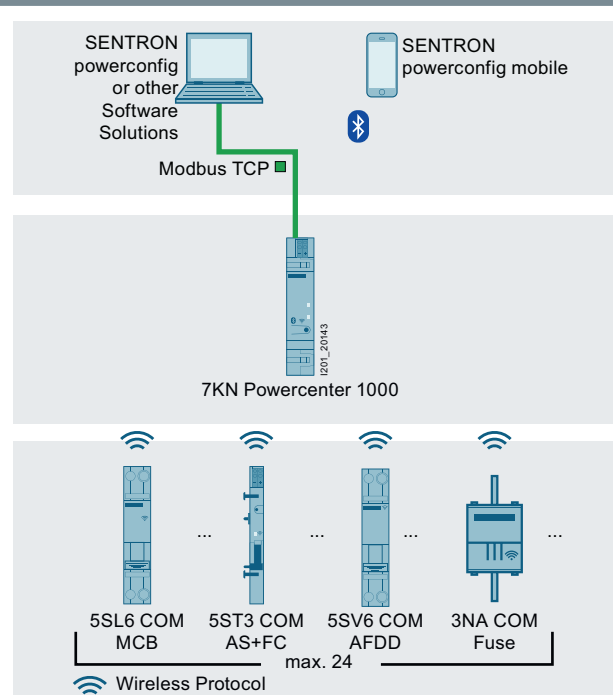
| | Size 2, with electronic module ¹⁾ | | Size 2, without electronic module ²⁾ | |
|----------------|--|---|---|---|
| | Operational class gG | Operational class gFF (for the Netherlands) | Operational class gG | Operational class gFF (for the Netherlands) |
| Mounting width | 59 mm | 59 mm | 59 mm | 59 mm |
| I_n | U_n AC 400 V | U_n AC 400 V | U_n AC 400 V | U_n AC 400 V |
| 80 A | – | 3NA3224-4KK03 | – | 3NA3224-4KK04 |
| 100 A | 3NA3230-4KK01 | 3NA3230-4KK03 | 3NA3230-4KK02 | 3NA3230-4KK04 |
| 125 A | 3NA3232-4KK01 | 3NA3232-4KK03 | 3NA3232-4KK02 | 3NA3232-4KK04 |
| 160 A | 3NA3236-4KK01 | 3NA3236-4KK03 | 3NA3236-4KK02 | 3NA3236-4KK04 |
| 200 A | 3NA3240-4KK01 | 3NA3240-4KK03 | 3NA3240-4KK02 | 3NA3240-4KK04 |
| 224 A | 3NA3242-4KK01 | – | 3NA3242-4KK02 | – |
| 250 A | 3NA3244-4KK01 | 3NA3244-4KK03 | 3NA3244-4KK02 | 3NA3244-4KK04 |
| 315 A | 3NA3252-4KK01 | – | 3NA3252-4KK02 | – |

¹⁾ Electronic module is mounted by simple insertion

²⁾ For spare part purposes (electronic module can be reused after the fuse has been replaced!)



7KN Powercenter 1000 data transceiver



- Wireless radio transmission of measured values and data to the 7KN Powercenter 1000 data transceiver
- Commissioning, parameter assignment, firmware updates and further processing of the data via the 7KN Powercenter 1000 data transceiver



| 7KN Powercenter 1000 | Article No. |
|----------------------|---------------|
| | 7KN1110-0MC00 |

See page 10/17

You will find further information under:

Installation manual – Circuit protection devices with communication and measuring function ([109791805](#))

System manual – Circuit protection devices with communication and measuring function ([109791806](#))



Monitoring functions (alarm) with limit monitoring

- Limit values can be set for:
 - Current/overcurrent > Limit value 1
 - Current/overcurrent > Limit value 2
 - Overtemperature
 - Operating hours counter
 - Operating hours counter with load current > Limit value
 - Values

| Technical specifications | Electronic module for 3NA COM | | |
|---|--|---------------------------|---------------------|
| Current measuring range | 2.5 ... 440 A (rms value) | | |
| Measuring accuracy of current measurement/5-minute average of rms value | <ul style="list-style-type: none"> • At reference temperature 25 °C • In the range -10 °C ... +70 °C | | |
| Minimum current | 5 A (to maintain the radio connection) | | |
| Temperature measuring range | +20 ... +120 °C | | |
| Measuring accuracy of temperature measurement | ± 2.5 °C | | |
| Active power input per phase during current measurement | 50 mW | | |
| Maximum transmit power | 8 dBm | | |
| Minimum/maximum ambient temperature during operation | -10 °C/+55 °C | | |
| Minimum/maximum ambient temperature during storage | -10 °C/+70 °C | | |
| Relative humidity at 25 °C without condensation | Max. 95 % | | |
| Degree of protection IP | IP20 | | |
| Pollution degree | 2 | | |
| Reference condition for measuring accuracy | IEC 61557-12 | | |
| Measuring method | TRMS | | |
| Power supply | CT Harvesting | | |
| European standards | | | |
| RED Safety | EN 60669-2-5 | | |
| RED Health | EN 62479 | | |
| RED EMV | EN 63044-3/-5-3, EN 301489-17, EN 300480-17 | | |
| RED Radio Spec | EN 300328 | | |
| International standards | | | |
| For EMC | EN 63044-5-3, IEC 61000-6-2, IEC 61000-4-2/-3/-4/-5/-6/-8/-11 | | |
| For shocks, bumps, free fall, environmental tests | IEC 60068-2-1/-2/-6/-27/-29/-30/-32 | | |
| Approvals | VDE, KEMA KEUR | | |
| Measured values | | Measuring interval | Storage time |
| Current | | | |
| Current (rms value) | A | 10 s | 1 h |
| Average current (rms value) | A | 15 min | 7 d |
| Minimum current | A | 1 d | 10 d |
| Maximum current | A | 1 d | 10 d |
| Temperature | | | |
| Temperature | °C | 1 min | 1 h |
| Average temperature | °C | 15 min | 7 d |
| Minimum temperature | °C | 1 d | 10 d |
| Maximum temperature | °C | 1 d | 10 d |
| Operating hours counter | | | |
| Operating hours counter | h | Unlimited | Unlimited |
| Operating hours counter with load current > Limit value | h | Unlimited | Unlimited |

Cylindrical fuse links

Operational class gG

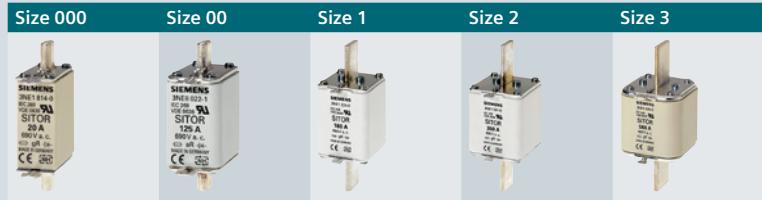
| I_n | Size 8 × 32 mm | | Size 10 × 38 mm | | Size 14 × 51 mm | | Size 22 × 58 mm | |
|-------|-------------------|--|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| | U_n AC 400 V | | U_n AC 400 V | 500 V | U_n AC 500 V | 690 V | U_n AC 500 V | 690 V |
| 0.5 A | – | | – | 3NW6000-1 | – | – | – | – |
| 1 A | – | | – | 3NW6011-1 | – | – | – | – |
| 2 A | 3NW6302-1 | | – | 3NW6002-1 | – | – | – | – |
| 4 A | 3NW6304-1 | | – | 3NW6004-1 | – | 3NW6104-1 | – | – |
| 6 A | 3NW6301-1 | | – | 3NW6001-1 | – | 3NW6101-1 | – | – |
| 8 A | – | | – | 3NW6008-1 | – | 3NW6108-1 | – | – |
| 10 A | 3NW6303-1 | | – | 3NW6003-1 | – | 3NW6103-1 | – | – |
| 12 A | – | | – | 3NW6006-1 | – | 3NW6106-1 | – | – |
| 16 A | 3NW6305-1 | | – | 3NW6005-1 | – | 3NW6105-1 | – | 3NW6205-1 |
| 20 A | 3NW6307-1 | | – | 3NW6007-1 | – | 3NW6107-1 | – | 3NW6207-1 |
| 25 A | – | | – | 3NW6010-1 | – | 3NW6110-1 | – | 3NW6210-1 |
| 32 A | – | | 3NW6012-1 | – | – | 3NW6112-1 | – | 3NW6212-1 |
| 40 A | – | | – | – | 3NW6117-1 | – | – | 3NW6217-1 |
| 50 A | – | | – | – | 3NW6120-1 | – | – | 3NW6220-1 |
| 63 A | – | | – | – | – | – | 3NW6222-1 | – |
| 80 A | – | | – | – | – | – | 3NW6224-1 | – |
| 100 A | – | | – | – | – | – | 3NW6230-1 | – |

Operational class aM

| I_n | Size 10 × 38 mm | | Size 14 × 51 mm | | | Size 22 × 58 mm | |
|-------|-------------------|-----------|-------------------|-----------|-----------|-------------------|-----------|
| | U_n AC 400 V | 500 V | U_n AC 400 V | 500 V | 690 V | U_n AC 500 V | 690 V |
| 0.5 A | – | 3NW8000-1 | – | – | – | – | – |
| 1 A | – | 3NW8011-1 | – | – | – | – | – |
| 2 A | – | 3NW8002-1 | – | – | 3NW8102-1 | – | – |
| 4 A | – | 3NW8004-1 | – | – | 3NW8104-1 | – | – |
| 6 A | – | 3NW8001-1 | – | – | 3NW8101-1 | – | – |
| 8 A | – | 3NW8008-1 | – | – | 3NW8108-1 | – | – |
| 10 A | – | 3NW8003-1 | – | – | 3NW8103-1 | – | – |
| 12 A | – | 3NW8006-1 | – | – | 3NW8106-1 | – | – |
| 16 A | – | 3NW8005-1 | – | 3NW8105-1 | – | – | 3NW8205-1 |
| 20 A | 3NW8007-1 | – | – | 3NW8107-1 | – | – | 3NW8207-1 |
| 25 A | 3NW8010-1 | – | – | 3NW8110-1 | – | – | 3NW8210-1 |
| 32 A | 3NW8012-1 | – | – | 3NW8112-1 | – | – | 3NW8212-1 |
| 40 A | – | – | – | 3NW8117-1 | – | – | 3NW8217-1 |
| 50 A | – | – | 3NW8120-1 | – | – | – | 3NW8220-1 |
| 63 A | – | – | – | – | – | 3NW8222-1 | – |
| 80 A | – | – | – | – | – | 3NW8224-1 | – |
| 100 A | – | – | – | – | – | 3NW8230-1 | – |

SITOR semiconductor fuse links (LV HRC design)



Operational class gS, with blade contacts without slots



| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ |
|--|--------------------------|------------------|------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 16 A | 200 A ² s | 4 W | 1.00 | 3NE1813-0 | – | – | – | – |
| 20 A | 430 A ² s | 5 W | 1.00 | 3NE1814-0 | – | – | – | – |
| 25 A | 780 A ² s | 5 W | 1.00 | 3NE1815-0 | – | – | – | – |
| 35 A | 1700 A ² s | 3.5 W | 1.00 | 3NE1803-0 | – | – | – | – |
| 40 A | 3000 A ² s | 3 W | 1.00 | 3NE1802-0 | – | – | – | – |
| 50 A | 4400 A ² s | 6 W | 1.00 | 3NE1817-0 | – | – | – | – |
| 63 A | 9000 A ² s | 7 W | 1.00 | 3NE1818-0 | – | – | – | – |
| 80 A | 18000 A ² s | 8 W | 1.00 | 3NE1820-0 | – | – | – | – |
| 100 A | 33000 A ² s | 10 W | 1.00 | – | 3NE1021-0 | – | – | – |
| 125 A | 63000 A ² s | 11 W | 1.00 | – | 3NE1022-0 | – | – | – |
| 160 A | 60000 A ² s | 24 W | 1.00 | – | – | 3NE1224-0 | – | – |
| 200 A | 100000 A ² s | 27 W | 1.00 | – | – | 3NE1225-0 | – | – |
| 250 A | 200000 A ² s | 30 W | 1.00 | – | – | 3NE1227-0 | – | – |
| 315 A | 310000 A ² s | 38 W | 1.00 | – | – | 3NE1230-0 | – | – |
| 350 A | 430000 A ² s | 42 W | 1.00 | – | – | – | 3NE1331-0 | – |
| 400 A | 590000 A ² s | 45 W | 1.00 | – | – | – | 3NE1332-0 | – |
| 450 A | 750000 A ² s | 53 W | 1.00 | – | – | – | 3NE1333-0 | – |
| 500 A | 950000 A ² s | 56 W | 1.00 | – | – | – | 3NE1334-0 | – |
| 560 A | 1700000 A ² s | 50 W | 1.00 | – | – | – | – | 3NE1435-0 |
| 630 A | 2350000 A ² s | 55 W | 1.00 | – | – | – | – | 3NE1436-0 |
| 710 A | 3400000 A ² s | 58 W | 1.00 | – | – | – | – | 3NE1437-0 |
| 800 A | 5000000 A ² s | 58 W | 1.00 | – | – | – | – | 3NE1438-0 |
| Further information | | | | | | | | |
| Installation in 3NH LV HRC fuse bases | | | | ■ | ■ | ■ | ■ | ■ |
| Installation in 3NP and 3KF fuse switching devices | | | | ■ | ■ | ■ | ■ | ■ |

¹⁾ For the max. DC voltage, see the Configuration Manual "Fuse Systems", chapter "Configuration", "Use with direct current"

Operational class gR, with bolt-on links

| | | | | Size 000 | Size 00 |
|--|-------------------------|------------------|------------------------|---|---|
| Screw fixing, mounting dimension | | | | M8, 80 mm | M10, 80 mm |
| | | | |  |  |
| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC/DC 690/700 V | U_n AC/DC 690/440 V |
| 20 A | 83 A ² s | 7 W | 0.90 | 3NE8714-1 | – |
| 25 A | 140 A ² s | 9 W | 0.90 | 3NE8715-1 | – |
| 32 A | 285 A ² s | 10 W | 0.90 | 3NE8701-1 | – |
| 40 A | 490 A ² s | 12 W | 0.90 | 3NE8702-1 | – |
| 50 A | 815 A ² s | 15 W | 0.90 | 3NE8717-1 | – |
| 80 A | 3200 A ² s | 23 W | On req. | – | 3NE8020-3MK |
| 100 A | 5200 A ² s | 29 W | On req. | – | 3NE8021-3MK |
| Further information | | | | | |
| Screw fixing | | | | ■ | ■ |
| Installation in SITOR fuse bases | | | | 2× 3NH5023 | 2× 3NH5023 |
| Further currents, operational class aR | | | | See page 7/52 | See page 7/52 |

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with blade contacts without slots

Size 000



Size 00







Size 0



| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC/DC 690/400 V | U_n AC 690 V ¹⁾ | U_n AC 1000 V ¹⁾ |
|--|--------------------------|------------------|------------------------|-------------------------------|------------------------------|-------------------------------|
| 6 A | 37 A ² s | 2.7 W | On req. | 3NE8810-OMK | – | – |
| 10 A | 50 A ² s | 4.5 W | On req. | 3NE8812-OMK | – | – |
| 16 A | 73 A ² s | 6.7 W | On req. | 3NE8813-OMK | – | – |
| 20 A | 90 A ² s | 8 W | On req. | 3NE8814-OMK | – | – |
| 25 A | 150 A ² s | 8.1 W | On req. | 3NE8815-OMK | – | – |
| | 180 A ² s | 7 W | 0.95 | – | 3NE8015-1 | – |
| 32 A | 280 A ² s | 12 W | 0.90 | – | – | 3NE4101 |
| | 350 A ² s | 10.5 W | On req. | 3NE8801-OMK | – | – |
| 35 A | 400 A ² s | 9 W | 0.95 | – | 3NE8003-1 | – |
| 40 A | 480 A ² s | 12 W | On req. | 3NE8802-OMK | – | – |
| | 500 A ² s | 13 W | 0.90 | – | – | 3NE4102 |
| 50 A | 700 A ² s | 14 W | 0.90 | – | 3NE8017-1 | – |
| | 800 A ² s | 16 W | 0.90 | – | – | 3NE4117 |
| | 1050 A ² s | 14.5 W | On req. | 3NE8817-OMK | – | – |
| 63 A | 1400 A ² s | 16 W | 0.95 | – | 3NE8018-1 | – |
| | 1960 A ² s | 23 W | On req. | 3NE8818-OMK | – | – |
| 80 A | 5800 A ² s | 10.5 W | 1.00 | – | 3NE1020-2 | – |
| 100 A | 11000 A ² s | 12 W | 1.00 | – | 3NE1021-2 | – |
| 125 A | 23000 A ² s | 13.5 W | 1.00 | – | 3NE1022-2 | – |
| 160 A | 18600 A ² s | 32 W | 1.00 | – | – | – |
| 200 A | 51800 A ² s | 35 W | 1.00 | – | – | – |
| 250 A | 80900 A ² s | 37 W | 1.00 | – | – | – |
| 315 A | 168000 A ² s | 40 W | 1.00 | – | – | – |
| 350 A | 177000 A ² s | 43 W | 1.00 | – | – | – |
| 400 A | 224000 A ² s | 50 W | 1.00 | – | – | – |
| 450 A | 276500 A ² s | 58 W | 1.00 | – | – | – |
| 500 A | 398000 A ² s | 64 W | 1.00 | – | – | – |
| 560 A | 890000 A ² s | 60 W | 1.00 | – | – | – |
| 630 A | 1390000 A ² s | 60 W | 1.00 | – | – | – |
| 670 A | 1640000 A ² s | 64 W | 1.00 | – | – | – |
| 710 A | 1818000 A ² s | 72 W | 1.00 | – | – | – |
| | 2460000 A ² s | 65 W | 1.00 | – | – | – |
| 800 A | 2475000 A ² s | 84 W | 1.00 | – | – | – |
| | 3350000 A ² s | 72 W | 1.00 | – | – | – |
| 850 A | 3640000 A ² s | 76 W | 1.00 | – | – | – |
| Further information | | | | | | |
| Installation in 3NH LV HRC fuse bases | | | | ■ | ■ | ■ |
| Installation in 3NP and 3KF fuse switching devices | | | | ■ | ■ | ■ |
| Further currents, operational class aR | | | | See page 7/53 | – | See page 7/53 |

¹⁾ For the max. DC voltage, see the Configuration Manual "Fuse Systems", chapter "Configuration", "Use with direct current"

| Size 1 | Size 2 | Size 3 | |
|--|---|---|---|
|  |  |  |  |
| U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 600 V ¹⁾ | 690 V ¹⁾ |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 3NE1224-2 | - | - | - |
| 3NE1225-2 | - | - | - |
| 3NE1227-2 | - | - | - |
| 3NE1230-2 | - | - | - |
| - | 3NE1331-2 | - | - |
| - | 3NE1332-2 | - | - |
| - | 3NE1333-2 | - | - |
| - | 3NE1334-2 | - | - |
| - | - | - | 3NE1435-2 |
| - | - | - | 3NE1436-2 |
| - | - | - | 3NE1447-2 |
| - | - | - | 3NE1437-2 |
| - | - | 3NE1437-1 | - |
| - | - | - | 3NE1438-2 |
| - | - | 3NE1438-1 | - |
| - | - | - | 3NE1448-2 |
| ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ |
| - | - | - | - |

7

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with slotted blade contacts

Screw fixing, mounting dimension (lateral)

With 2 oblong slots
Size 3

M10, 110 mm



With oblong and transverse slots
Size 1

M10, 110 mm



| I_n | Switch-off I^2t value | Power loss P_V | Varying load factor WL | U_n AC | | U_n AC | |
|--------|---------------------------|------------------|------------------------|---------------------|---------------------|---------------------|-------------|
| | | | | 500 V ¹⁾ | 690 V ¹⁾ | 690 V ¹⁾ | 1000/600 V |
| 32 A | 4500 A ² s | 9 W | On req. | – | – | – | 3NE3201-OMK |
| 40 A | 900 A ² s | 26 W | On req. | – | – | – | – |
| | 6000 A ² s | 13 W | On req. | – | – | – | 3NE3202-OMK |
| 50 A | 1800 A ² s | 27 W | On req. | – | – | – | – |
| | 8000 A ² s | 18 W | On req. | – | – | – | 3NE3217-OMK |
| 63 A | 3100 A ² s | 34 W | On req. | – | – | – | – |
| | 9000 A ² s | 25 W | On req. | – | – | – | 3NE3218-OMK |
| 150 A | 17600 A ² s | 40 W | 0.85 | – | 3NC8423-OC | – | – |
| | 33000 A ² s | 35 W | 0.85 | 3NC2423-OC | – | – | – |
| 160 A | 18600 A ² s | 32 W | 1.00 | – | – | 3NE1224-3 | – |
| 200 A | 38400 A ² s | 55 W | 0.85 | – | 3NC8425-OC | – | – |
| | 51800 A ² s | 35 W | 1.00 | – | – | 3NE1225-3 | – |
| | 64000 A ² s | 40 W | 0.85 | 3NC2425-OC | – | – | – |
| 250 A | 70400 A ² s | 72 W | 0.85 | – | 3NC8427-OC | – | – |
| | 80900 A ² s | 37 W | 1.00 | – | – | 3NE1227-3 | – |
| | 99000 A ² s | 50 W | 0.85 | 3NC2427-OC | – | – | – |
| 300 A | 132000 A ² s | 65 W | 0.85 | 3NC2428-OC | – | – | – |
| 315 A | 168000 A ² s | 40 W | 1.00 | – | – | 3NE1230-3 | – |
| 350 A | 176000 A ² s | 95 W | 0.85 | – | 3NC8431-OC | – | – |
| | 177000 A ² s | 43 W | 1.00 | – | – | – | – |
| | 249000 A ² s | 60 W | 0.85 | 3NC2431-OC | – | – | – |
| 400 A | 224000 A ² s | 50 W | 1.00 | – | – | – | – |
| 450 A | 276500 A ² s | 58 W | 1.00 | – | – | – | – |
| 500 A | 398000 A ² s | 64 W | 1.00 | – | – | – | – |
| | 448000 A ² s | 130 W | 0.85 | – | 3NC8434-OC | – | – |
| 560 A | 890000 A ² s | 60 W | 1.00 | – | – | – | – |
| 630 A | 1390000 A ² s | 60 W | 1.00 | – | – | – | – |
| 670 A | 1640000 A ² s | 64 W | 1.00 | – | – | – | – |
| 710 A | 1818000 A ² s | 72 W | 1.00 | – | – | – | – |
| 800 A | 2475000 A ² s | 84 W | 1.00 | – | – | – | – |
| 850 A | 3640000 A ² s | 76 W | 1.00 | – | – | – | – |
| 1000 A | 1400000 A ² s | 138 W | 1.00 | – | – | – | – |
| 1100 A | 3000000 A ² s | 110 W | 1.00 | – | – | – | – |
| 1250 A | 4100000 A ² s | 104 W | 1.00 | – | – | – | – |
| 1350 A | 4800000 A ² s | 126 W | 1.00 | – | – | – | – |
| 1400 A | 5200000 A ² s | 127 W | 1.00 | – | – | – | – |
| 1600 A | 6900000 A ² s | 152 W | 1.00 | – | – | – | – |
| 1700 A | 6400000 A ² s | 179 W | 1.00 | – | – | – | – |
| 1700 A | 10000000 A ² s | 143 W | 1.00 | – | – | – | – |
| 1900 A | 8200000 A ² s | 196 W | 1.00 | – | – | – | – |

Further information

| | | | | |
|--|---------------|---------|---------|---------|
| Screw fixing | ■ | ■ | ■ | ■ |
| Installation in SITOR fuse bases | 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 |
| Installation in LV HRC fuse bases | ■ | ■ | ■ | ■ |
| Installation in fuse switching devices | ■ | ■ | ■ | ■ |
| Further currents, operational class aR | See page 7/56 | | | |

¹⁾ For the max. DC voltage, see the Configuration Manual "Fuse Systems", chapter "Configuration", "Use with direct current"

²⁾ Minimum clearance 90 mm

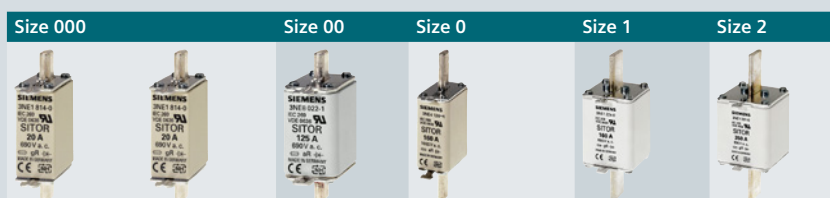
| Size 2 | | Size 3 | | Size 3 | Size 2 × 3 | Size 3 × 3 |
|--|---|---|---|---|---|---|
| M10, 110 (90) mm | M10, 170 mm | M10, 110 mm | | M12, 110 mm | M12, 110 mm ²⁾ | M12, 110 mm ²⁾ |
|  |  |  |  |  |  |  |
| U_n AC 690 V ¹⁾ | U_n AC/DC 1500/1000 V | U_n AC 500 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ | U_n AC 690 V ¹⁾ |
| - | - | - | - | - | - | - |
| - | 3NE5302-0MK06 | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | 3NE5317-0MK06 | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | 3NE5318-0MK06 | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | 3NC8423-3C | - | - | - |
| - | - | 3NC2423-3C | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | 3NC8425-3C | - | - | - |
| - | - | - | - | - | - | - |
| - | - | 3NC2425-3C | - | - | - | - |
| - | - | - | 3NC8427-3C | - | - | - |
| - | - | - | - | - | - | - |
| - | - | 3NC2427-3C | - | - | - | - |
| - | - | 3NC2428-3C | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | 3NC8431-3C | - | - | - |
| 3NE1331-3 | - | - | - | - | - | - |
| - | - | 3NC2431-3C | - | - | - | - |
| 3NE1332-3 | - | - | - | - | - | - |
| 3NE1333-3 | - | - | - | - | - | - |
| 3NE1334-3 | - | - | - | - | - | - |
| - | - | - | 3NC8434-3C | - | - | - |
| - | - | - | - | 3NE1435-3 | - | - |
| - | - | - | - | 3NE1436-3 | - | - |
| - | - | - | - | 3NE1447-3 | - | - |
| - | - | - | - | 3NE1437-3 | - | - |
| - | - | - | - | 3NE1438-3 | - | - |
| - | - | - | - | 3NE1448-3 | - | - |
| - | - | - | - | - | 3NB3350-1KK26 | - |
| - | - | - | - | - | 3NB3351-1KK26 | - |
| - | - | - | - | - | 3NB3352-1KK26 | - |
| - | - | - | - | - | 3NB3354-1KK26 | - |
| - | - | - | - | - | 3NB3355-1KK26 | - |
| - | - | - | - | - | 3NB3357-1KK26 | - |
| - | - | - | - | - | - | 3NB3358-1KK27 |
| - | - | - | - | - | 3NB3358-1KK26 | - |
| - | - | - | - | - | - | 3NB3362-1KK27 |
| ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 | - | - |
| ■ | ■ | ■ | ■ | ■ | - | - |
| ■ | ■ | ■ | ■ | ■ | - | - |
| - | - | See page 7/56 | See page 7/56 | See page 7/56 | - | - |

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with bolt-on links

| | | | | Size 000 | |
|--|-------------------------|------------------|------------------------|---|---|
| Screw fixing, mounting dimension | | | | M8, 80 mm | M10, 80 mm |
| | | | |  |  |
| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC/DC 690/700 V | U_n AC/DC 690/440 V |
| 63 A | 1550 A ² s | 16 W | 0.95 | 3NE8718-1 | – |
| 80 A | 2700 A ² s | 18 W | 0.90 | 3NE8720-1 | – |
| 100 A | 4950 A ² s | 19 W | 0.95 | 3NE8721-1 | – |
| 125 A | 9100 A ² s | 23 W | 0.95 | 3NE8722-1 | – |
| 160 A | 17000 A ² s | 31 W | 0.90 | 3NE8724-1 | – |
| 200 A | 30000 A ² s | 36 W | 0.90 | 3NE8725-1 | – |
| 250 A | 55000 A ² s | 42 W | 0.90 | 3NE8727-1 | – |
| 315 A | 85500 A ² s | 54 W | 0.85 | 3NE8731-1 | – |
| 350 A | 135000 A ² s | 58.8 W | On req. | – | 3NE8031-3MK |
| 400 A | 170000 A ² s | 74.5 W | On req. | – | 3NE8032-3MK |
| Further information | | | | | |
| Screw fixing | | | | ■ | ■ |
| Installation in SITOR fuse bases | | | | 3NH5023 | 3NH5023 |
| Further currents, operational class gR | | | | See page 7/56 | See page 7/56 |

Operational class aR, with blade contacts without slots



| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | Size 000 | | Size 00 | | Size 0 | | Size 1 | | Size 2 | |
|--|-------------------------|------------------|------------------------|--------------------------|-------------|---------------------------------|----------------------------------|--------------------------|--------------------------|--------|-------------|--------|---|
| | | | | U_n AC/DC 500/440 V | 690/440 V | U_n AC 690 V ¹⁾ | U_n AC 1000 V ¹⁾ | U_n AC/DC 690/440 V | U_n AC/DC 690/440 V | | | | |
| 63 A | 1500 A ² s | 20 W | 0.90 | – | – | – | 3NE4118 | – | – | – | – | – | – |
| 80 A | 2200 A ² s | 23.3 W | On req. | – | 3NE8820-OMK | – | – | – | – | – | – | – | – |
| | 2400 A ² s | 19 W | 0.95 | – | – | 3NE8020-1 | – | – | – | – | – | – | – |
| | 3000 A ² s | 22 W | 0.90 | – | – | – | 3NE4120 | – | – | – | – | – | – |
| 100 A | 3650 A ² s | 27 W | On req. | – | 3NE8821-OMK | – | – | – | – | – | – | – | – |
| | 4200 A ² s | 22 W | 0.95 | – | – | 3NE8021-1 | – | – | – | – | – | – | – |
| | 6000 A ² s | 24 W | 0.90 | – | – | – | 3NE4121 | – | – | – | – | – | – |
| | 6050 A ² s | 25.5 W | On req. | – | – | – | – | 3NE8221-OMK | – | – | – | – | – |
| 125 A | 6500 A ² s | 28 W | 0.95 | – | – | 3NE8022-1 | – | – | – | – | – | – | – |
| | 7800 A ² s | 30 W | On req. | – | 3NE8822-OMK | – | – | – | – | – | – | – | – |
| | 8900 A ² s | 28.5 W | On req. | – | – | – | – | 3NE8222-OMK | – | – | – | – | – |
| | 14000 A ² s | 30 W | 0.90 | – | – | – | 3NE4122 | – | – | – | – | – | – |
| 160 A | 13000 A ² s | 38 W | 0.95 | – | – | 3NE8024-1 | – | – | – | – | – | – | – |
| | 14000 A ² s | 34 W | On req. | 3NE8824-OMK | – | – | – | – | – | – | – | – | – |
| | 16200 A ² s | 37 W | On req. | – | – | – | – | 3NE8224-OMK | – | – | – | – | – |
| | 29000 A ² s | 35 W | 0.90 | – | – | – | 3NE4124 | – | – | – | – | – | – |
| 200 A | 26000 A ² s | 49 W | On req. | – | – | – | – | 3NE8225-OMK | – | – | – | – | |
| 250 A | 59000 A ² s | 52 W | On req. | – | – | – | – | 3NE8227-OMK | – | – | – | – | |
| 315 A | 120000 A ² s | 68 W | On req. | – | – | – | – | 3NE8230-OMK | – | – | – | – | |
| 350 A | 83500 A ² s | 68.6 W | On req. | – | – | – | – | – | – | – | 3NE8331-OMK | – | |
| 400 A | 136000 A ² s | 72.8 W | On req. | – | – | – | – | – | – | – | 3NE8332-OMK | – | |
| 450 A | 207000 A ² s | 80.1 W | On req. | – | – | – | – | – | – | – | 3NE8333-OMK | – | |
| 500 A | 318000 A ² s | 77.5 W | On req. | – | – | – | – | – | – | – | 3NE8334-OMK | – | |
| 550 A | 399000 A ² s | 86.4 W | On req. | – | – | – | – | – | – | – | 3NE8335-OMK | – | |
| 630 A | 740000 A ² s | 90.7 W | On req. | – | – | – | – | – | – | – | 3NE8336-OMK | – | |
| Further information | | | | | | | | | | | | | |
| Installation in 3NH LV HRC fuse bases | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Installation in 3NP and 3KF fuse switching devices | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Further currents, operational class gR | | | | See page 7/48 | | – | See page 7/48 | | – | – | – | – | – |

¹⁾ For the max. DC voltage, see the Configuration Manual "Fuse Systems", chapter "Configuration", "Use with direct current"

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with slotted blade contacts



| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | With 2 oblong slots Size 3 | | With oblong and transverse slots Size 1 | |
|-------|--------------------------|------------------|------------------------|-------------------------------|------------------------------|--|---------------|
| | | | | M10, 110 mm | U_n AC 500 V ¹⁾ | M8, 80 mm | M10, 110 mm |
| 80 A | 3900 A ² s | 42 W | On req. | – | – | – | – |
| 100 A | 3200 A ² s | 25 W | On req. | – | – | 3NE8221-3MK | – |
| | 4800 A ² s | 28 W | 0.95 | – | – | – | 3NE3221 |
| | 8700 A ² s | 45 W | On req. | – | – | – | – |
| 125 A | 6000 A ² s | 28 W | On req. | – | – | 3NE8222-3MK | – |
| | 7200 A ² s | 36 W | 0.95 | – | – | – | 3NE3222 |
| | 11800 A ² s | 59 W | On req. | – | – | – | – |
| 160 A | 10500 A ² s | 35 W | On req. | – | – | 3NE8224-3MK | – |
| | 13000 A ² s | 42 W | 1.00 | – | – | – | 3NE3224 |
| | 37000 A ² s | 54 W | On req. | – | – | – | – |
| 200 A | 17500 A ² s | 42 W | On req. | – | – | 3NE8225-3MK | – |
| | 30000 A ² s | 42 W | 1.00 | – | – | – | 3NE3225 |
| | 70000 A ² s | 56 W | On req. | – | – | – | – |
| 250 A | 28500 A ² s | 53.5 W | On req. | – | – | 3NE8227-3MK | – |
| | 29700 A ² s | 105 W | 0.85 | – | – | – | – |
| | 48000 A ² s | 50 W | 1.00 | – | – | – | 3NE3227 |
| | 165000 A ² s | 59 W | On req. | – | – | – | – |
| 315 A | 53500 A ² s | 61 W | On req. | – | – | 3NE8230-3MK | – |
| | 60700 A ² s | 120 W | 0.85 | – | – | – | – |
| | 80000 A ² s | 60 W | 0.95 | – | – | – | 3NE3230-0B |
| | 250000 A ² s | 76 W | On req. | – | – | – | – |
| | 300000 A ² s | 245 W | On req. | – | – | – | – |
| 350 A | 66000 A ² s | 69 W | On req. | – | – | 3NE8231-3MK | – |
| | 100000 A ² s | 75 W | 0.95 | – | – | – | 3NE3231 |
| 400 A | 110000 A ² s | 70.5 W | On req. | – | – | 3NE8232-3MK | – |
| | 135000 A ² s | 80 W | 1.00 | – | – | – | – |
| | | 85 W | 0.90 | – | – | – | 3NE3232-0B |
| | 390000 A ² s | 50 W | 0.85 | 3NC2432-0C | – | – | – |
| 450 A | 470000 A ² s | 89 W | On req. | – | – | – | – |
| | 175000 A ² s | 90 W | 1.00 | – | – | – | – |
| | | 95 W | 0.90 | – | – | – | 3NE3233 |
| | 180000 A ² s | 71 W | On req. | – | – | 3NE8233-3MK | – |
| 500 A | 191000 A ² s | 140 W | 0.85 | – | – | – | – |
| | 215000 A ² s | 84 W | On req. | – | – | 3NE8234-3MK | – |
| | 260000 A ² s | 90 W | 1.00 | – | – | – | – |
| | 276000 A ² s | 155 W | 0.85 | – | – | – | – |
| | 500000 A ² s | 105 W | On req. | – | – | – | 3NE3234-0MK08 |
| 550 A | 800000 A ² s | 109 W | On req. | – | – | – | – |
| | 290000 A ² s | 87 W | On req. | – | – | 3NE8235-3MK | – |
| 560 A | 700000 A ² s | 110 W | On req. | – | – | – | 3NE3235-0MK08 |
| | 360000 A ² s | 95 W | 1.00 | – | – | – | – |
| 630 A | 440000 A ² s | 96 W | On req. | – | – | 3NE8236-3MK | – |
| | 600000 A ² s | 100 W | 1.00 | – | – | – | – |
| | 850000 A ² s | 127 W | On req. | – | – | – | 3NE3236-0MK08 |
| | 1100000 A ² s | 163 W | On req. | – | – | – | – |
| 710 A | 800000 A ² s | 105 W | 1.00 | – | – | – | – |
| | 923000 A ² s | 155 W | 0.95 | – | – | – | – |
| 800 A | 850000 A ² s | 130 W | 0.95 | – | – | – | – |
| 900 A | 920000 A ² s | 165 W | 0.95 | – | – | – | – |

| Further information | | | | |
|--|---------------|---------|---------|---------|
| Screw fixing | ■ | ■ | ■ | ■ |
| Installation in SITOR fuse bases | 3NH5463 | 3NH5423 | 3NH5463 | 3NH5463 |
| Installation in 3NH LV HRC fuse bases | ■ | – | ■ | – |
| Installation in 3NP and 3KF fuse switching devices | ■ | – | ■ | – |
| Further currents, operational class gR | See page 7/46 | – | – | – |

¹⁾ For the max. DC voltage, see the Configuration Manual "Fuse Systems", chapter "Configuration", "Use with direct current"

Size 2

M10, 110 mm



M10, 170 mm



M10, 190 mm



M12, 260 mm









| U_n AC 690 V ¹⁾ | 800 V ¹⁾ | 800 V ¹⁾ | 900 V ¹⁾ | 1000 V ¹⁾ | U_n AC/DC 1500/1000 V | U_n AC/DC 1500/1000 V | U_n DC 3000 V |
|---------------------------------|---------------------|---------------------|---------------------|----------------------|----------------------------|----------------------------|--------------------|
| - | - | - | - | - | 3NE5320-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5321-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5322-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5324-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5325-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | 3NE4327-0B | - | - | - | - | - |
| - | - | - | - | - | 3NE5327-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | 3NE4330-0B | - | - | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5330-0MK06 | - | - |
| - | - | - | - | - | - | - | 3NE9330-0MK07 |
| - | - | - | - | - | - | - | - |
| - | - | - | - | 3NE3332-0B | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5332-0MK06 | - | - |
| - | - | - | - | 3NE3333 | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | 3NE4333-0B | - | - | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | 3NE3334-0B | - | - | - |
| - | - | 3NE4334-0B | - | - | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5334-0MK06 | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | 3NE3335 | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | 3NE3336 | - | - | - |
| - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NE5336-0MK06 | 3NE5336-0MK66 | - |
| - | - | - | 3NE3337-8 | - | - | - | - |
| - | - | 3NE4337 | - | - | - | - | - |
| - | 3NE3338-8 | - | - | - | - | - | - |
| 3NE3340-8 | - | - | - | - | - | - | - |
| ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 | 3NH5473 | 3NH5473 | - |
| ■ | ■ | ■ | ■ | ■ | - | - | - |
| ■ | ■ | ■ | ■ | ■ | - | - | - |
| - | - | - | - | - | See page 7/46 | - | - |

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with slotted blade contacts

| Screw fixing, mounting dimension | | | | With oblong and transverse slots Size 3 | | | | | | |
|--|--------------------------|------------------|------------------------|--|---------------------|-------------------------------|-------------------------------|-------------------------------|---|-------------------------------|
| | | | | M10, 110 mm | | M10, 130 mm | M10, 170 mm | M10, 210 mm | | |
| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC 500 V ¹⁾ | | U_n AC 1000 V ¹⁾ | U_n AC 1500 V ¹⁾ | U_n AC 1500 V ¹⁾ | | U_n AC 2000 V ¹⁾ |
| | | | | | 600 V ¹⁾ | | | | | |
| 100 A | 13500 A ² s | 25 W | 1.00 | – | – | 3NE3421-OC | – | – | – | – |
| 125 A | 34500 A ² s | 78 W | 1.00 | – | – | – | – | – | – | – |
| 160 A | 54000 A ² s | 56 W | 1.00 | – | – | – | – | 3NE5424-OC | – | – |
| 200 A | 138000 A ² s | 75 W | 1.00 | – | – | – | – | – | – | 3NE7425-OU |
| 224 A | 54000 A ² s | 85 W | 1.00 | – | – | 3NE3626-OC | – | – | – | – |
| | 138000 A ² s | 80 W | 1.00 | – | – | – | – | 3NE5426-OC | – | – |
| 250 A | 84000 A ² s | 130 W | 1.00 | – | – | – | 3NE5627-OC | – | – | – |
| | 218000 A ² s | 110 W | 1.00 | – | – | – | – | – | – | 3NE7427-OU |
| 315 A | 72500 A ² s | 80 W | 0.95 | – | – | – | – | – | – | – |
| | 218000 A ² s | 80 W | 1.00 | – | – | 3NE3430-OC | – | – | – | – |
| | 311000 A ² s | 115 W | 1.00 | – | – | – | – | 3NE5430-OC | – | – |
| 350 A | 428000 A ² s | 135 W | 1.00 | – | – | – | – | 3NE5431-OC | – | – |
| | 555000 A ² s | 120 W | 1.00 | – | – | – | – | – | – | 3NE7431-OU |
| 400 A | 163000 A ² s | 95 W | 0.95 | – | – | – | – | – | – | – |
| | 364000 A ² s | 110 W | 1.00 | – | – | 3NE3432-OC | – | – | – | – |
| | 390000 A ² s | 50 W | 0.85 | 3NC2432-3C | – | – | – | – | – | – |
| | 620000 A ² s | 205 W | 1.00 | – | – | – | – | – | – | – |
| 450 A | 870000 A ² s | 150 W | 1.00 | – | – | – | – | – | – | 3NE7432-OU |
| | 488000 A ² s | 110 W | 1.00 | – | – | 3NE3635-OC | – | – | – | – |
| | 590000 A ² s | 160 W | 1.00 | – | – | – | 3NE5633-OC | – | – | – |
| | 870000 A ² s | 145 W | 0.95 | – | – | – | – | 3NE5433-OC | – | – |
| 500 A | 960000 A ² s | 160 W | 1.00 | – | – | – | – | – | – | 3NE7633-OU |
| | 290000 A ² s | 115 W | 0.90 | – | – | – | – | – | – | – |
| | 870000 A ² s | 95 W | 1.00 | – | – | 3NE3434-OC | – | – | – | – |
| 525 A | 1270000 A ² s | 235 W | 1.00 | – | – | – | – | – | – | – |
| | 1120000 A ² s | 210 W | 1.00 | – | – | – | – | – | – | – |
| 600 A | 1950000 A ² s | 145 W | 1.00 | – | – | – | 3NE5643-OC | – | – | – |
| 630 A | 244000 A ² s | 120 W | 0.85 | – | – | – | – | – | – | – |
| | 418000 A ² s | 145 W | 0.85 | – | – | – | – | – | – | – |
| | 650000 A ² s | 120 W | 0.95 | – | – | – | – | – | – | – |
| | 1280000 A ² s | 132 W | 1.00 | – | – | 3NE3636-OC | – | – | – | – |
| | 1950000 A ² s | 220 W | 1.00 | – | – | – | – | – | – | 3NE7636-OU |
| | 2800000 A ² s | 275 W | 1.00 | – | – | – | – | – | – | – |
| 710 A | 346000 A ² s | 130 W | 0.85 | – | – | – | – | – | – | – |
| | 569000 A ² s | 150 W | 0.85 | – | – | – | – | – | – | – |
| | 1950000 A ² s | 145 W | 1.00 | – | – | 3NE3637-OC | – | – | – | – |
| | 3110000 A ² s | 275 W | 1.00 | – | – | – | – | – | – | – |
| 800 A | 498000 A ² s | 135 W | 0.90 | – | – | – | – | – | – | – |
| | 819000 A ² s | 155 W | 0.85 | – | – | – | – | – | – | – |
| | 985000 A ² s | 145 W | 0.90 | – | – | – | – | – | – | – |
| 900 A | 677000 A ² s | 145 W | 0.90 | – | – | – | – | – | – | – |
| | 1160000 A ² s | 165 W | 0.90 | – | – | – | – | – | – | – |
| 1000 A | 975000 A ² s | 155 W | 0.95 | – | – | – | – | – | – | – |
| | 1670000 A ² s | 170 W | 0.90 | – | – | – | – | – | – | – |
| | 2480000 A ² s | 140 W | 0.85 | – | 3NC8444-3C | – | – | – | – | – |
| 1100 A | 1382000 A ² s | 165 W | 0.95 | – | – | – | – | – | – | – |
| | 1910000 A ² s | 185 W | 0.90 | – | – | – | – | – | – | – |
| 1250 A | 1990000 A ² s | 175 W | 0.95 | – | – | – | – | – | – | – |
| | 2600000 A ² s | 210 W | 0.90 | – | – | – | – | – | – | – |
| 1400 A | 2100000 A ² s | 200 W | 0.95 | – | – | – | – | – | – | – |
| 1600 A | 2860000 A ² s | 240 W | 0.90 | – | – | – | – | – | – | – |
| Further information | | | | | | | | | | |
| Screw fixing | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Installation in SITOR fuse bases | | | | 3NH5463 | 3NH5463 | – | 3NH5463 | – | – | – |
| Installation in 3NH LV HRC fuse bases | | | | ■ | ■ | – | – | – | – | – |
| Installation in 3NP and 3KF fuse switching devices | | | | ■ | ■ | – | – | – | – | – |
| Further currents, operational class gR | | | | See page 7/50 | | – | – | – | – | – |

¹⁾ For the max. DC voltage, see the Configuration Manual „Fuse Systems“, chapter “Configuration”, “Use with direct current”

| M12, 80 mm | | M12, 110 mm | | | | M12, 140 mm | M12, 210 mm | | M12, 260 mm |
|--|---|---|---|---|---|----------------------------------|----------------------------------|----------------------|----------------------------------|
|  |  |  |  |  |  | | | | |
| U_n AC 500 V ¹⁾ | 690 V ¹⁾ | U_n AC 800 V ¹⁾ | 1000 V ¹⁾ | 1100 V ¹⁾ | 1250 V ¹⁾ | U_n AC 1000 V ¹⁾ | U_n AC 1500 V ¹⁾ | 2000 V ¹⁾ | U_n AC 2500 V ¹⁾ |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 3NE9622-1C |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC3430-1U | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 3NE9632-1C |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | 3NE5433-1C | - | - |
| - | - | - | - | - | - | - | - | 3NE7633-1U | - |
| - | - | - | - | - | 3NC3434-1U | - | - | - | - |
| - | - | - | - | - | - | - | - | - | 3NE9634-1C |
| - | - | - | - | - | - | - | - | 3NE7648-1U | - |
| - | - | - | - | - | - | - | - | - | - |
| - | 3NC3236-1U | - | - | - | - | - | - | - | - |
| - | - | - | 3NC3336-1U | - | - | - | - | - | - |
| - | - | - | - | - | 3NC3436-1U | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | 3NE7636-1U | - |
| - | - | - | - | - | - | - | - | - | 3NE9636-1C |
| - | 3NC3237-1U | - | - | - | - | - | - | - | - |
| - | - | - | 3NC3337-1U | - | - | - | - | - | - |
| - | - | - | - | - | - | 3NE3637-1C | - | - | - |
| - | - | - | - | - | - | - | - | 3NE7637-1U | - |
| - | 3NC3238-1U | - | - | - | - | - | - | - | - |
| - | - | - | 3NC3338-1U | - | - | - | - | - | - |
| - | - | - | - | 3NC3438-1U | - | - | - | - | - |
| - | 3NC3240-1U | - | - | - | - | - | - | - | - |
| - | - | - | 3NC3340-1U | - | - | - | - | - | - |
| - | 3NC3241-1U | - | - | - | - | - | - | - | - |
| - | - | - | 3NC3341-1U | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | 3NC3242-1U | - | - | - | - | - | - | - | - |
| - | - | 3NC3342-1U | - | - | - | - | - | - | - |
| - | 3NC3243-1U | - | - | - | - | - | - | - | - |
| - | - | 3NC3343-1U | - | - | - | - | - | - | - |
| 3NC3244-1U | - | - | - | - | - | - | - | - | - |
| 3NC3245-1U | - | - | - | - | - | - | - | - | - |
| ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| - | - | 3NH5463 | 3NH5463 | 3NH5463 | 3NH5463 | - | - | - | - |
| - | - | ■ | ■ | ■ | ■ | - | - | - | - |
| - | - | ■ | ■ | ■ | ■ | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with female thread at both ends

Screw fixing, flange dimension

Size 3

M10, 109 mm



M12, 52 mm



| I_n | Operating value I^2t | Power loss P_v | Varying load factor WL | U_n AC | | 690 V |
|--------|--------------------------|------------------|------------------------|-----------|------------|------------|
| | | | | 1000 V | 500 V | |
| 315 A | 72500 A ² s | 80 W | 0.95 | – | – | – |
| 400 A | 163000 A ² s | 95 W | 0.95 | – | – | – |
| 450 A | 488000 A ² s | 110 W | 1.00 | 3NE3635-6 | – | – |
| 500 A | 290000 A ² s | 115 W | 0.90 | – | – | – |
| 630 A | 244000 A ² s | 125 W | 0.90 | – | – | 3NC3236-6U |
| | 418000 A ² s | 130 W | 0.90 | – | – | – |
| | 650000 A ² s | 120 W | 0.95 | – | – | – |
| 710 A | 346000 A ² s | 130 W | 0.90 | – | – | 3NC3237-6U |
| | 569000 A ² s | 140 W | 0.90 | – | – | – |
| 800 A | 498000 A ² s | 135 W | 0.95 | – | – | 3NC3238-6U |
| | 819000 A ² s | 150 W | 0.90 | – | – | – |
| | 985000 A ² s | 145 W | 0.95 | – | – | – |
| 900 A | 677000 A ² s | 140 W | 0.95 | – | – | 3NC3240-6U |
| | 1160000 A ² s | 160 W | 0.95 | – | – | – |
| 1000 A | 975000 A ² s | 145 W | 1.00 | – | – | 3NC3241-6U |
| | 1670000 A ² s | 165 W | 0.95 | – | – | – |
| 1100 A | 1382000 A ² s | 150 W | 1.00 | – | – | 3NC3242-6U |
| | 1910000 A ² s | 175 W | 0.95 | – | – | – |
| 1250 A | 1990000 A ² s | 155 W | 1.00 | – | – | 3NC3243-6U |
| | 2600000 A ² s | 185 W | 0.95 | – | – | – |
| 1400 A | 2100000 A ² s | 175 W | 1.00 | – | 3NC3244-6U | – |
| 1600 A | 2860000 A ² s | 195 W | 0.95 | – | 3NC3245-6U | – |

Further information

Screw fixing

■

■

■

M12, 73 mm



M12, 73 mm

 U_n AC

800 V

1000 V

 U_n AC

1100 V

1250 V

| | | | |
|------------|------------|------------|------------|
| – | – | – | 3NC3430-6U |
| – | – | – | 3NC3432-6U |
| – | – | – | – |
| – | – | – | 3NC3434-6U |
| – | – | – | – |
| – | 3NC3336-6U | – | – |
| – | – | – | 3NC3436-6U |
| – | – | – | – |
| – | 3NC3337-6U | – | – |
| – | – | – | – |
| – | 3NC3338-6U | – | – |
| – | – | 3NC3438-6U | – |
| – | – | – | – |
| – | 3NC3340-6U | – | – |
| – | – | – | – |
| – | 3NC3341-6U | – | – |
| – | – | – | – |
| 3NC3342-6U | – | – | – |
| – | – | – | – |
| 3NC3343-6U | – | – | – |
| – | – | – | – |
| – | – | – | – |



SITOR semiconductor fuse links (LV HRC design)

Operational class gR, special designs

Screw fixing, flange dimension

Without installation bracket With installation bracket
For SITOR 6QG11 thyristor sets

M10, 89 mm



| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC 600 V | U_n AC 1000 V |
|----------------------------|--------------------------|------------------|------------------------|-------------------|--------------------|
| 50 A | 1100 A ² s | 20 W | 0.85 | – | 3NE4117-5 |
| 850 A | 2480000 A ² s | 85 W | 1.00 | 3NE9440-6 | – |
| Further information | | | | | |
| Screw fixing | | | | ■ | ■ |

Operational class aR, special designs

Flange dimension

Without installation bracket
For screwing onto water-cooled busbars

83 mm




| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n AC | | U_n AC | |
|----------------------------|--------------------------|------------------|------------------------|-----------|-----------|----------|---------|
| | | | | 600 V | 900 V | 800 V | 1000 V |
| 100 A | 7400 A ² s | 35 W | 0.85 | – | – | – | – |
| 170 A | 60500 A ² s | 43 W | 0.85 | – | – | – | – |
| 200 A | 44000 A ² s | 50 W | 0.85 | – | – | – | – |
| 250 A | 29700 A ² s | 105 W | 0.85 | – | – | – | – |
| | 635000 A ² s | 25 W | 0.90 | – | – | – | – |
| 315 A | 60700 A ² s | 120 W | 0.85 | – | – | – | – |
| 350 A | 260000 A ² s | 80 W | 0.90 | – | – | 3NC5531 | – |
| | 1430000 A ² s | 32 W | 0.90 | – | – | – | – |
| 450 A | 191000 A ² s | 140 W | 0.85 | – | – | – | – |
| | 395000 A ² s | 90 W | 0.85 | – | – | – | – |
| 500 A | 276000 A ² s | 155 W | 0.85 | – | – | – | – |
| 600 A | 888000 A ² s | 150 W | 0.90 | – | – | – | 3NC5840 |
| 630 A | 888000 A ² s | 145 W | 0.90 | – | – | 3NC5841 | – |
| 710 A | 620000 A ² s | 150 W | 0.90 | – | 3NE6437-7 | – | – |
| | 923000 A ² s | 155 W | 0.95 | – | – | – | – |
| 800 A | 1728000 A ² s | 170 W | 0.90 | – | – | – | 3NC5838 |
| 900 A | 1920000 A ² s | 170 W | 0.90 | – | – | – | – |
| 1250 A | 2480000 A ² s | 210 W | 0.90 | 3NE9450-7 | – | – | – |
| Further information | | | | ■ | ■ | ■ | ■ |
| Screw fixing | | | | ■ | ■ | ■ | ■ |

| For air-cooled rectifiers in electrolysis systems | | For mounting directly in the railway supply rectifier | | For SITOR 6QG12 thyristor sets | | With installation bracket | | For SITOR 6QG10 thyristor sets | | For SITOR 6QG11 thyristor sets | |
|--|---|---|--|---|--|--|--|---|--|--------------------------------|--|
| 89 mm | | | | 77 mm | | | | | | | |
|  |  |  | |  | |  | |  | | | |
| U_n AC 600 V | 900 V | U_n AC 680 V | | U_n AC 800 V | | U_n AC 1000 V | | U_n AC 1000 V | | | |
| - | - | - | | - | | - | | 3NE4121-5 | | | |
| - | - | - | | - | | - | | 3NE4146-5 | | | |
| - | - | - | | - | | 3NE3525-5 | | - | | | |
| - | - | - | | 3NE4327-6B | | - | | - | | | |
| - | - | 3NC7327-2 | | - | | - | | - | | | |
| - | - | - | | 3NE4330-6B | | - | | - | | | |
| - | - | - | | - | | - | | - | | | |
| - | - | 3NC7331-2 | | - | | - | | - | | | |
| - | - | - | | 3NE4333-6B | | - | | - | | | |
| - | - | - | | - | | 3NE3535-5 | | - | | | |
| - | - | - | | 3NE4334-6B | | - | | - | | | |
| - | - | - | | - | | - | | - | | | |
| - | - | - | | - | | - | | - | | | |
| - | 3NE6437 | - | | - | | - | | - | | | |
| - | - | - | | 3NE4337-6 | | - | | - | | | |
| - | - | - | | - | | - | | - | | | |
| - | 3NE6444 | - | | - | | - | | - | | | |
| 3NE9450 | - | - | | - | | - | | - | | | |
| ■ | ■ | ■ | | ■ | | ■ | | ■ | | | |

SITOR semiconductor fuse links (LV HRC design)

DC fuses, operational class gR, with slotted blade contacts

| Size 2L | | | | |
|---|---------------------------------------|------------------|------------------------|-------------------|
| Screw fixing M12 | | | | |
|  | | | | |
| I_n | Switch-off I^2t value | Power loss P_v | Varying load factor WL | U_n DC 900 V |
| 400 A | 180000 A ² s ¹⁾ | 75 W | – | 3NB1234-3KK20 |
| Further information | | | | |
| Screw fixing | | | | |

¹⁾ I^2t at U_{VSI} 1400 V is 240000 A²s

7

DC fuses, operational class aR, with slotted blade contacts

| | | | | | Size 1L | Size 2L | Size 3L | Size 2 × 3L | Size 3 × 3L |
|---------------------|---|------------------|------------------------|--------------------------------------|---|---|--|---|---|
| | | | | | Screw fixing M12 | | | | |
| | | | | |  |  |  |  |  |
| I_n | Switch-off I^2t value at U_{VSI} 1500 V ²⁾ | Power loss P_v | Varying load factor WL | U_n DC/ U_{VSI} 1250 V/1500 V | U_n DC/ U_{VSI} 1250 V/1500 V | U_n DC/ U_{VSI} 1250 V/1500 V | U_n DC/ U_{VSI} 1250 V/1500 V | U_n DC/ U_{VSI} 1250 V/1500 V | |
| 200 A | 39000 A ² s | 50 W | – | 3NB1126-4KK11 | – | – | – | – | |
| 250 A | 80500 A ² s | 51 W | – | 3NB1128-4KK11 | – | – | – | – | |
| 315 A | 129000 A ² s | 63 W | – | – | 3NB1231-4KK11 | – | – | – | |
| 400 A | 290000 A ² s | 68 W | – | – | 3NB1234-4KK11 | – | – | – | |
| 500 A | 600000 A ² s | 89 W | – | – | – | 3NB1337-4KK11 | – | – | |
| 800 A | 1910000 A ² s | 135 W | – | – | – | 3NB1345-4KK11 | – | – | |
| 800 A | 1150000 A ² s | 160 W | – | – | – | – | 3NB2345-4KK16 | – | |
| 1000 A | 2250000 A ² s | 195 W | – | – | – | – | 3NB2350-4KK16 | – | |
| 1400 A | 5100000 A ² s | 250 W | – | – | – | – | 3NB2355-4KK16 | – | |
| 1600 A | 7450000 A ² s | 275 W | – | – | – | – | 3NB2357-4KK16 | – | |
| 2100 A | 11950000 A ² s | 365 W | – | – | – | – | – | 3NB2364-4KK17 | |
| 2400 A | 18100000 A ² s | 445 W | – | – | – | – | – | 3NB2366-4KK17 | |
| Further information | | | | | ■ | ■ | ■ | ■ | ■ |
| Screw fixing | | | | | ■ | ■ | ■ | ■ | ■ |

²⁾ I^2t at U_n 1250 V is reduced by the factor $k=0.79$.

SITOR semiconductor fuse links (cylindrical fuse design)

Cylindrical fuses, operational class gS

Size 22 × 127 mm



| I_n | Switch-off I^2t value | Power loss P_v | U_n AC/DC 1500/1000 V |
|--|-------------------------|------------------|-------------------------------|
| 1 A | 2 A ² s | 2 W | 3NC2301-OMK |
| 2 A | 4.4 A ² s | 2.5 W | 3NC2302-OMK |
| 4 A | 55 A ² s | 5.3 W | 3NC2304-OMK |
| 6 A | 150 A ² s | 6.4 W | 3NC2306-OMK |
| 10 A | 540 A ² s | 3.1 W | 3NC2310-OMK |
| 16 A | 1120 A ² s | 4.7 W | 3NC2316-OMK |
| 20 A | 2850 A ² s | 5.4 W | 3NC2320-OMK |
| 25 A | 3300 A ² s | 6.9 W | 3NC2325-OMK |
| 32 A | 9050 A ² s | 6.7 W | 3NC2332-OMK |
| Further information | | | |
| Installation in SITOR fuse holders | | | 3NC23 |
| Further currents, operational class gR | | | See page 7/64 |
| Further currents, operational class aR | | | See page 7/66 |

7

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class gR

Size 10 × 38 mm







Size 14 × 51 mm



| I_n | Switch-off I^2t value | Power loss P_v | U_n AC/DC | | U_n AC/DC | | | |
|--|-------------------------|------------------|-------------|-------------|-------------------------|-------------|-----------|-------------|
| | | | 690/440 V | 690/250 V | 690/700 V ¹⁾ | 690/600 V | 690/440 V | 690/250 V |
| 6 A | 3.5 A ² s | 3.1 W | – | – | 3NC1406-OMK | – | – | – |
| | 6.5 A ² s | 2.5 W | 3NC1006-OMK | – | – | – | – | – |
| 10 A | 15 A ² s | 4.6 W | – | – | 3NC1410-OMK | – | – | – |
| | 17 A ² s | 4.3 W | – | – | – | – | – | – |
| | 18 A ² s | 3.3 W | 3NC1010-OMK | – | – | – | – | – |
| 12 A | 35 A ² s | 4 W | 3NC1012-OMK | – | – | – | – | – |
| 16 A | 32 A ² s | 6.7 W | – | – | – | 3NC1416-OMK | – | – |
| | 45 A ² s | 6 W | 3NC1016-OMK | – | – | – | – | – |
| | 52 A ² s | 4.4 W | – | – | – | – | – | – |
| 20 A | 68 A ² s | 7.4 W | – | – | – | 3NC1420-OMK | – | – |
| | 90 A ² s | 6.5 W | – | – | – | – | – | – |
| | 110 A ² s | 7.8 W | – | 3NC1020-OMK | – | – | – | – |
| 25 A | 108 A ² s | 8.4 W | – | – | – | 3NC1425-OMK | – | – |
| | 120 A ² s | 9.5 W | – | – | – | – | – | – |
| | 140 A ² s | 8.7 W | – | 3NC1025-OMK | – | – | – | – |
| | 160 A ² s | 8.5 W | – | – | – | – | – | – |
| | 180 A ² s | 8.1 W | – | – | – | – | – | – |
| 32 A | 175 A ² s | 12.3 W | – | – | – | 3NC1432-OMK | – | – |
| | 220 A ² s | 12.3 W | – | – | – | – | – | – |
| | 400 A ² s | 8.9 W | – | – | – | – | – | – |
| | 420 A ² s | 9 W | – | – | – | – | – | – |
| | 450 A ² s | 12 W | – | 3NC1032-OMK | – | – | – | – |
| 40 A | 400 A ² s | 14.8 W | – | – | – | – | – | – |
| | 470 A ² s | 11.7 W | – | – | – | 3NC1440-OMK | – | – |
| | 600 A ² s | 11 W | – | – | – | – | – | – |
| | 700 A ² s | 12.5 W | – | – | – | – | – | – |
| | 1850 A ² s | 9.4 W | – | – | – | – | – | – |
| 50 A | 830 A ² s | 16.3 W | – | – | – | – | – | 3NC1450-OMK |
| | 980 A ² s | 17.5 W | – | – | – | – | – | – |
| | 1250 A ² s | 13.8 W | – | – | – | – | – | – |
| | 1250 A ² s | 15.2 W | – | – | – | – | – | – |
| 63 A | 2050 A ² s | 18.8 W | – | – | – | – | – | – |
| | 2400 A ² s | 17.5 W | – | – | – | – | – | – |
| 80 A | 4400 A ² s | 23 W | – | – | – | – | – | – |
| 100 A | 11500 A ² s | 28.7 W | – | – | – | – | – | – |
| Further information | | | – | – | – | – | – | – |
| Screw fixing | | | – | – | – | – | – | – |
| Installation in SITOR fuse holders | | | 3NC109. | 3NC109. | 3NC149. | 3NC149. | 3NC149. | 3NC149. |
| Installation in SITOR fuse bases | | | – | – | – | – | – | – |
| Further currents, operational class gS | | | – | – | – | – | – | – |
| Further currents, operational class aR | | | – | – | – | – | – | – |

¹⁾ DC voltage according to UL

| Size 22 × 58 mm | | | | Size 22 × 127 mm | With M8 bolt-on links Size 18 × 88 mm | Size 26 × 103 mm |
|--|-------------|-------------|-------------|---|--|---|
|  | | | |  |  |  |
| U_n AC/DC 690/700 V ¹⁾ | | | | U_n AC/DC 1500/1000 V | U_n AC/DC 690/440 V | U_n AC/DC 690/440 V |
| 690/600 V | 690/440 V | 690/250 V | | | | |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC1810-0MK | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC1816-0MK | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC1820-0MK | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 3NC2625-0MK |
| - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC1825-0MK | - |
| 3NC2225-0MK | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 3NC2632-0MK |
| - | - | - | - | - | 3NC1832-0MK | - |
| - | 3NC2232-0MK | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 3NC2640-0MK |
| - | - | - | - | - | - | - |
| - | - | - | - | - | 3NC1840-0MK | - |
| - | - | 3NC2240-0MK | - | - | - | - |
| - | - | - | - | 3NC2340-0MK | - | - |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 3NC2650-0MK |
| - | - | - | - | - | 3NC1850-0MK | - |
| - | - | - | 3NC2250-0MK | - | - | - |
| - | - | - | - | - | - | 3NC2663-0MK |
| - | - | - | 3NC2263-0MK | - | - | - |
| - | - | - | 3NC2280-0MK | - | - | - |
| - | - | - | 3NC2200-0MK | - | - | - |
| - | - | - | - | - | ■ | ■ |
| 3NC229. | 3NC229. | 3NC229. | 3NC229. | 3NC23 | - | - |
| - | - | - | - | - | 3NH5723 | 3NH5023 |
| - | - | - | - | See page 7/63 | - | - |
| - | - | - | - | See page 7/66 | - | - |

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class aR

Size 10 × 38 mm¹⁾



Size 14 × 51 mm

Standard



With striking pin



| I_n | Switch-off I^2t value | Power loss P_v | U_n AC/DC 600/700 V ²⁾ | U_n AC 600 V | U_n AC 660 V | U_n AC/DC 690/700 V ²⁾ | 690/250 V | U_n AC/DC 690/600 V ¹⁾ |
|-------|-------------------------|------------------|--|-------------------|-------------------|--|-------------|--|
| 1 A | 1.2 A ² s | 5 W | – | – | 3NC1401 | – | – | – |
| 2 A | 10 A ² s | 3 W | – | – | 3NC1402 | – | – | – |
| 3 A | 8 A ² s | 1.2 W | 3NC1003 | – | – | – | – | – |
| | 15 A ² s | 2.5 W | – | – | 3NC1403 | – | – | – |
| 4 A | 25 A ² s | 3 W | – | – | 3NC1404 | – | – | – |
| 5 A | 11 A ² s | 1.5 W | – | – | – | 3NC1405 | – | – |
| 6 A | 11 A ² s | 1.5 W | – | – | – | 3NC1406 | – | – |
| | 20 A ² s | 1.5 W | 3NC1006 | – | – | – | – | – |
| 8 A | 30 A ² s | 2 W | 3NC1008 | – | – | – | – | – |
| 10 A | 22 A ² s | 4 W | – | – | – | 3NC1410 | – | – |
| | 32 A ² s | 4 W | – | – | – | – | – | 3NC1410-5 |
| | 60 A ² s | 2.5 W | 3NC1010 | – | – | – | – | – |
| 12 A | 110 A ² s | 3 W | 3NC1012 | – | – | – | – | – |
| 15 A | 63 A ² s | 5.5 W | – | – | – | – | – | 3NC1415-5 |
| | 70 A ² s | 5.5 W | – | – | – | 3NC1415 | – | – |
| 16 A | 150 A ² s | 3.5 W | 3NC1016 | – | – | – | – | – |
| 20 A | 100 A ² s | 6 W | – | – | – | 3NC1420 | – | – |
| | 200 A ² s | 4.8 W | 3NC1020 | – | – | – | – | – |
| | 220 A ² s | 4.6 W | – | – | – | – | – | – |
| | 234 A ² s | 6 W | – | – | – | – | – | 3NC1420-5 |
| | 240 A ² s | 5 W | – | – | – | – | – | – |
| 25 A | 250 A ² s | 6 W | 3NC1025 | – | – | – | – | – |
| | 300 A ² s | 5.6 W | – | – | – | – | – | – |
| | 320 A ² s | 7 W | – | – | – | 3NC1425 | – | – |
| | 350 A ² s | 6 W | – | – | – | – | – | – |
| | 378 A ² s | 7 W | – | – | – | – | – | 3NC1425-5 |
| 30 A | 400 A ² s | 9 W | – | – | – | 3NC1430 | – | – |
| | 466 A ² s | 9 W | – | – | – | – | – | 3NC1430-5 |
| 32 A | 450 A ² s | 7 W | – | – | – | – | – | – |
| | 500 A ² s | 7.5 W | – | 3NC1032 | – | – | – | – |
| | 500 A ² s | 8 W | – | – | – | – | – | – |
| 40 A | 600 A ² s | 7.6 W | – | – | – | 3NC1432 | – | 3NC1432-5 |
| | 700 A ² s | 8.5 W | – | – | – | – | – | – |
| | 750 A ² s | 8 W | – | – | – | 3NC1440 | – | 3NC1440-5 |
| 50 A | 800 A ² s | 9 W | – | – | – | – | – | – |
| | 1350 A ² s | 9.5 W | – | – | – | – | – | – |
| | 1500 A ² s | 9.5 W | – | – | – | – | – | – |
| 63 A | 1800 A ² s | 9 W | – | – | – | 3NC1450 | – | 3NC1450-5 |
| | 26000 A ² s | 11.6 W | – | – | – | – | – | – |
| | 2100 A ² s | 16.7 W | – | – | – | – | 3NC1463-0MK | – |
| | 2600 A ² s | 11 W | – | – | – | – | – | – |
| 80 A | 3000 A ² s | 11 W | – | – | – | – | – | – |
| | 3500 A ² s | 22.5 W | – | – | – | – | – | – |
| | 5500 A ² s | 13.5 W | – | – | – | – | – | – |
| 100 A | 6000 A ² s | 13.5 W | – | – | – | – | – | – |
| | 5400 A ² s | 31.5 W | – | – | – | – | – | – |
| | 8000 A ² s | 16 W | – | – | – | – | – | – |
| 125 A | 8500 A ² s | 16 W | – | – | – | – | – | – |
| | 11800 A ² s | 39 W | – | – | – | – | – | – |
| | 29000 A ² s | 35.3 W | – | – | – | – | – | – |

Further information

| | | | | | | | |
|--|---------|---------|--------|--------|-----------|-----------|---|
| Screw fixing | – | – | – | – | – | – | – |
| Installation in SITOR fuse holders | 3NC109. | 3NC109. | 3NC149 | 3NC149 | 3NC149.-5 | 3NC149.-5 | – |
| Installation in SITOR fuse bases | – | – | – | – | – | – | – |
| Further currents, operational class gS | – | – | – | – | – | – | – |
| Further currents, operational class aR | – | – | – | – | – | – | – |

¹⁾ Observe DC voltage acc. to UL, time constant and minimum breaking current MBC

²⁾ CCC approval

Photovoltaic cylindrical fuse links

Operational class gPV

Size 10 × 38 mm

Size 10 × 85 mm




| I_n DC | Power loss P_v | Power loss P_v at 70% ¹⁾ | U_n DC | | |
|------------------------------|------------------|--|------------|------------|------------|
| | | | 1000 V | 1200 V | 1500 V |
| 2 A | 1.4 W | 0.6 W | 3NW6002-4 | – | – |
| 4 A | 1.6 W | 0.7 W | 3NW6004-4 | – | – |
| | 2.7 W | 1.1 W | – | – | 3NW6604-4 |
| 6 A | 1.7 W | 0.7 W | 3NW6001-4 | – | – |
| | 3.0 W | 1.2 W | – | – | 3NW6601-4 |
| 8 A | 1.9 W | 0.8 W | 3NW6008-4 | – | – |
| | 3.6 W | 1.5 W | – | – | 3NW6608-4 |
| 10 A | 2.3 W | 1.0 W | 3NW6003-4 | – | – |
| | 3.7 W | 1.6 W | – | – | 3NW6603-4 |
| 12 A | 2.7 W | 1.1 W | 3NW6006-4 | – | – |
| | 3.3 W | 1.4 W | – | – | 3NW6606-4 |
| 16 A | 3.2 W | 1.3 W | 3NW6005-4 | – | – |
| | 3.7 W | 1.6 W | – | – | 3NW6605-4 |
| 20 A | 3.4 W | 1.4 W | 3NW6007-4 | – | – |
| | 4.0 W | 1.7 W | – | 3NW6607-4 | – |
| Further information | | | | | |
| Installation in fuse holders | | | 3NW70...-4 | 3NW76...-4 | 3NW76...-4 |

¹⁾ Tested in fuse holders 3NW7013-4 and 3NW7613-4.

Class CC fuse links

Acc. to UL

| | | Characteristic: Slow | Characteristic: Slow, current-limiting | Characteristic: Quick |
|------------------------------|------------|---|---|---|
| | |  |  |  |
| I_n | $I_n^{1)}$ | | | |
| 0.6 A | 6/10 A | 3NW1006-OHG | – | – |
| 0.8 A | 8/10 A | 3NW1008-OHG | – | – |
| 1 A | – | 3NW1010-OHG | 3NW3010-OHG | 3NW2010-OHG |
| 1.5 A | 1 ½ A | 3NW1015-OHG | – | – |
| 2 A | – | 3NW1020-OHG | 3NW3020-OHG | 3NW2020-OHG |
| 2.5 A | – | 3NW1025-OHG | – | – |
| 3 A | – | 3NW1030-OHG | 3NW3030-OHG | 3NW2030-OHG |
| 4 A | – | 3NW1040-OHG | 3NW3040-OHG | 3NW2040-OHG |
| 5 A | – | 3NW1050-OHG | 3NW3050-OHG | 3NW2050-OHG |
| 6 A | – | 3NW1060-OHG | 3NW3060-OHG | 3NW2060-OHG |
| 7.5 A | – | 3NW1075-OHG | – | – |
| 8 A | – | 3NW1080-OHG | 3NW3080-OHG | 3NW2080-OHG |
| 10 A | – | 3NW1100-OHG | 3NW3100-OHG | 3NW2100-OHG |
| 12 A | – | – | 3NW3120-OHG | 3NW2120-OHG |
| 15 A | – | 3NW1150-OHG | 3NW3150-OHG | 3NW2150-OHG |
| 20 A | – | 3NW1200-OHG | 3NW3200-OHG | 3NW2200-OHG |
| 25 A | – | 3NW1250-OHG | 3NW3250-OHG | 3NW2250-OHG |
| 30 A | – | 3NW1300-OHG | 3NW3300-OHG | 3NW2300-OHG |
| Further information | | | | |
| Installation in fuse holders | | 3NW75.3-OHG, 3NW753.-1HG, 3NW7431-OHG | 3NW75.3-OHG, 3NW753.-1HG, 3NW7431-OHG | 3NW75.3-OHG, 3NW753.-1HG, 3NW7431-OHG |

¹⁾ American English wording

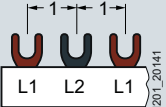
Busbars

According to IEC, can be cut

Pin spacing 1 MW


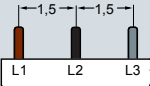
| Pin spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|---|--|---------|------------------|-------------------------|-------------|
| 1-phase, angled  | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm | 214 mm | With end caps | 16 mm ² | 5ST3700 |
| | | 1016 mm | Without end caps | 16 mm ² | 5ST3701 |
| 2-phase  | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm | 214 mm | With end caps | 16 mm ² | 5ST3704 |
| | | 1016 mm | Without end caps | 16 mm ² | 5ST3705 |
| 3-phase  | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm | 214 mm | With end caps | 16 mm ² | 5ST3708 |
| | | 1016 mm | Without end caps | 16 mm ² | 5ST3710 |

Fork spacing 1 MW

| Fork spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|---|---|---------|------------------|-------------------------|-------------|
| 1-phase  | For MINIZED D01 fuse switch disconnectors | 1000 mm | Without end caps | 16 mm ² | 5ST2190 |
| | | | | | |
| 2-phase  | For MINIZED D01 fuse switch disconnectors | 1000 mm | Without end caps | 16 mm ² | 5ST2191 |
| | | | | | |
| 3-phase  | For MINIZED D01 fuse switch disconnectors | 1000 mm | Without end caps | 16 mm ² | 5ST2192 |
| | | | | | |

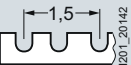
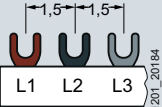
According to IEC, can be cut

Pin spacing 1.5 MW

| Pin spacing in MW (1.5 MW = 27 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|--|---|---------|------------------|----------------------------|-------------|
| 1-phase, angled | | | | | |
|  | For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG1302, 5SG1702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7111 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1491 | 1016 mm | Without end caps | 16 mm ² | 5ST3703 |
| 3-phase | | | | | |
|  | For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG5301, 5SG5701, 5SG5302, 5SG5702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7131 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1493 | 1016 mm | Without end caps | 16 mm ² | 5ST3714 |

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

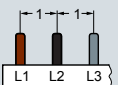
Fork spacing 1.5 MW

| Fork spacing in MW (1.5 MW = 27 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|--|---|---------|---------------------------------|----------------------------|-------------|
| 1-phase | | | | | |
|  | For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminal and screw head contacts | 1000 mm | Without end caps, non-insulated | 36 mm ² | 5SH5322 |
| 3-phase | | | | | |
|  | For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminals and screw head contacts | 1000 mm | Without end caps | 16 mm ² | 5SH5320 |

Busbars



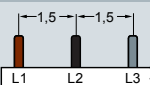
According to UL 508, can be cut

Pin spacing 1 MW

| Pin spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|---|---|---------|------------------|----------------------------|-------------|
| 1-phase  | For Class CC fuse holders 10 × 38 mm (3NC1091, 3NW7513-0HG) | 1000 mm | Without end caps | 18 mm ² | 5ST3701-0HG |
| 2-phase  | For Class CC fuse holders 10 × 38 mm (3NC1092, 3NW7523-0HG) | 1000 mm | Without end caps | 18 mm ² | 5ST3705-0HG |
| 3-phase  | For Class CC fuse holders 10 × 38 mm (3NC1093, 3NW7533-0HG) | 1000 mm | Without end caps | 18 mm ² | 5ST3710-0HG |

According to UL 508, can be cut







Pin spacing 1.5 MW

| Pin spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | Article No. |
|--|--|---------|------------------|----------------------------|-------------|
| 1-phase  | For fuse holders 14 × 51 mm (3NC1491, 3NW7111) | 1000 mm | Without end caps | 18 mm ² | 5ST3703-0HG |
| | | | | 25 mm ² | 5ST3701-2HG |
| 2-phase  | For fuse holders 14 × 51 mm (3NC1492, 3NW7121) | 1000 mm | Without end caps | 25 mm ² | 5ST3705-2HG |
| 3-phase  | For fuse holders 14 × 51 mm (3NC1493, 3NW7131) | 1000 mm | Without end caps | 18 mm ² | 5ST3714-0HG |
| | | | | 25 mm ² | 5ST3710-2HG |

Busbars

Accessories

For busbars according to IEC

| Terminals | | | | | | | | | | |
|---|---|---|-------------------------|-------------|---------------------|--------------------------|---------|---------------------------|--------------------------|---------|
|  | <ul style="list-style-type: none"> For NEOZED D01/D02 fuse bases made of ceramic For DIAZED DII/DIII fuse bases made of ceramic | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Terminal version</th> <th>Conductor cross-section</th> <th>Article No.</th> </tr> </thead> <tbody> <tr> <td>Terminal version S</td> <td>2 ... 25 mm²</td> <td>5SH5327</td> </tr> <tr> <td>Terminal versions B and K</td> <td>6 ... 25 mm²</td> <td>5SH5328</td> </tr> </tbody> </table> | Terminal version | Conductor cross-section | Article No. | Terminal version S | 2 ... 25 mm ² | 5SH5327 | Terminal versions B and K | 6 ... 25 mm ² | 5SH5328 |
| Terminal version | Conductor cross-section | Article No. | | | | | | | | |
| Terminal version S | 2 ... 25 mm ² | 5SH5327 | | | | | | | | |
| Terminal versions B and K | 6 ... 25 mm ² | 5SH5328 | | | | | | | | |
|  | | | | | | | | | | |
| Touch protection | | | | | | | | | | |
|  | <ul style="list-style-type: none"> For free connections, yellow (RAL 1004) 5 × 1 pin | <table border="1"> <thead> <tr> <th>Article No.</th> </tr> </thead> <tbody> <tr> <td>5ST3655</td> </tr> </tbody> </table> | Article No. | 5ST3655 | | | | | | |
| Article No. | | | | | | | | | | |
| 5ST3655 | | | | | | | | | | |
| End caps | | | | | | | | | | |
|  | <table border="1"> <thead> <tr> <th>Version</th> <th>For busbar type</th> <th>Article No.</th> </tr> </thead> <tbody> <tr> <td rowspan="2">For 1-phase busbars</td> <td>5ST2190</td> <td>5ST2196</td> </tr> <tr> <td>5ST37 and 5SH55</td> <td>5ST3748</td> </tr> </tbody> </table> | Version | For busbar type | Article No. | For 1-phase busbars | 5ST2190 | 5ST2196 | 5ST37 and 5SH55 | 5ST3748 | |
| | Version | For busbar type | Article No. | | | | | | | |
| For 1-phase busbars | 5ST2190 | 5ST2196 | | | | | | | | |
| | 5ST37 and 5SH55 | 5ST3748 | | | | | | | | |
|  | For 2-phase and 3-phase busbars | 5ST2191 and 5ST2192 | 5ST2197 | | | | | | | |
| | | 5ST37 and 5SH5320 | 5ST3750 | | | | | | | |
|  | | | | | | | | | | |

For busbars according to UL 508

Terminals according to UL 508



| Version | Infeed | Article No. |
|--------------------------------|--------|-------------|
| For busbars 35 mm ² | Device | 5ST3770-0HG |
| For busbars 30 mm ² | Busbar | 5ST3770-1HG |

Busbar touch protection according to UL 508



- For free connections, yellow (RAL 1004) 5 × 1 pin

| Article No. |
|-------------|
| 5ST3655-0HG |

End caps for 5ST37. ..HG



| Version | Article No. |
|---------------------------|-------------|
| For 1-phase busbars | 5ST3748-0HG |
| For 2 and 3-phase busbars | 5ST3750-0HG |

LV HRC signal detectors, electronic fuse monitoring

LV HRC signal detectors



- Only for SIEMENS LV 3NA3, 3NA7, 3ND HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitches 250 V AC, 6 A
- Connection: flat connector 2.3 mm

| Fuse size | Article No. |
|-----------|-------------|
| 000 ... 4 | 3NX1021 |

Signal detector links



- Rated voltage of up to 690 V AC/600 V DC

| Fuse size | Response value | Application | Article No. |
|-----------|----------------|---------------------------|-------------|
| 000 ... 4 | >9 V/2.5 A | For standard applications | 3NX1022 |
| | >2 V/7 A | Only for meshed networks | 3NX1023 |

Signal detector tops



- Only for SIEMENS LV 3NA3, 3NA7, 3ND HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitch 230 V AC, 5 A, 1 CO
- Connection: flat connector 2.3 mm

| Fuse size | Article No. |
|---------------|-------------|
| 000, 00, 1, 2 | 3NX1024 |

Electronic fuse monitor



- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

| U_e AC | I_n | U_c | Article No. |
|----------|-------|--------------------|-------------|
| 230 V | 4 A | 3 AC 380 ... 415 V | 5TT3170 |

Electronic fuse monitoring for remote display of tripped fuses



- Remote display by auxiliary contact (1 CO)
- Local detection by integrated LED
- For all sizes
- For 3KF LV HRC and 3KF SITOR

| U_e AC | I_n | U_c | Article No. |
|----------|-------|------------|---------------|
| 230 V | 1.5 A | 3 AC 690 V | 3KF9010-1AA00 |



Appendix



Conditions of sale and delivery _____ A/2

Link directory _____ A/4

Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase products (hardware, software and services) described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as „T&C“). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

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- for other services, the „Supplementary Terms and Conditions for Services (‘BL’)¹⁾ and/or
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- for consulting services the „Standard Terms and Conditions for Consulting Services of the Division DF for Customers with a Seat or Registered Office Outside of Germany“¹⁾ and/or
- for other services the „International Terms & Conditions for Services“¹⁾ supplemented by „Software Licensing Conditions“¹⁾ and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products“¹⁾ supplemented by „Software Licensing Conditions“¹⁾

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¹⁾ The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

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Link directory

Catalog LV 10

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| | |
|--|--|
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| CAX download manager | www.siemens.com/cax |
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LV 10 Low-Voltage Power Distribution and Electrical Installation Technology

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Protection, Switching, Measuring and
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Distribution Systems

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LV 18 Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification

SENTRON

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DELTA

PDF



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