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## 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.

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# Fuse Systems

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# A multitude of additional information ...

## Information + ordering

### All the important things at a glance

**Information to get you started**

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

### Contact persons in your region

**We are there when you need us**

You can find your local contacts at
www.siemens.com/lowvoltage/contact

### Your product in detail

The Siemens Industry Online Support portal 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

**Our video range**

- 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 No. in the catalog or by entering this web address incl. Article No.
www.siemens.com/product?Article No.

### Configurators

**Exactly the right SITOR semiconductor fuse for your application**

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

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# ... can be found in our online services

## Commissioning + operation

### Your product in detail

The Siemens Industry Online Support portal provides detailed technical information
www.siemens.com/lowvoltage/product-support

- Operating instructions
- Characteristic curves
- Certificates

Engineering data for CAD or CAE systems are available in the CAx Download Manager at
www.siemens.com/lowvoltage/cax

### Manuals

Manuals are available for downloading in Siemens Industry Online Support at
www.siemens.com/lowvoltage/manuals

- Configuration manual Fuse systems (45314810)
- Planning manual – Planning with SIVACON 8PS (109478425)

### The fast track to the experts

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/lowvoltage/support-request

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

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

### Technical overview of 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)

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# 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 LV HRC fuses

SITOR cylindrical fuses

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

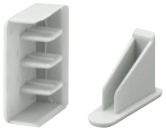
LV HRC signal detectors

### Busbars and accessories

can be cut

Terminals

Touch protection


End caps

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# Fuse links

## IEC fuse links

NEOZED

DIAZED

LV HRC

Cylindrical fuses

SILIZED

Photovoltaic cumulative fuses

Photovoltaic phase fuses

## IEC/UL fuse links

SITOR LV HRC fuses

SITOR cylindrical fuses

## UL fuse links

Class CC

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# Overview of fuse systems according to IEC

## Fuse links

| | | |
|---|---|---|
| **Standard** | IEC | IEC |
| **Rated current $I_n$** | 2 ... 100 A | 2 ... 100 A |
| **Voltage $U_n$ (AC)** | 400 V | 500 ... 750 V |
| **Voltage $U_n$ (DC)** | 250 V | 500 ... 750 V |
| **Design / application** | NEOZED / SILIZED | DIAZED / SILIZED |

### Selection according to protection task

| | | |
|---|---|---|
| **Cables and lines, general (gG)** | ■ | ■ |
| **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<br>See page 7/34 | See page 7/33<br>See page 7/34 |

## Fuse holders and bases

### For protection tasks

Overview, see page 7/8

| | Floor fixation | Standard mounting rail | Busbar | Type | Stand-ard | More information | | |
|---|---|---|---|---|---|---|---|---|
| Fuse bases | – | ■ | ■ | 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

Overview, see page 8/62, 8/96

| | Floor fixation | Standard mounting rail | Busbar | Type | Stand-ard | More information | | |
|---|---|---|---|---|---|---|---|---|
| Fuse switch disconnectors | ■ | ■ | ■ | 3NP1 | IEC / UL | See page 8/62 | – | – |
| | ■ | – | ■ | 3NP5 | IEC / UL | See page 8/74 | – | – |
| | – | ■ | ■ | 5SG7 | IEC | See page 8/90 | ■ | – |
| | – | – | ■ | 3NJ4 | IEC | See page 8/78 | – | – |
| Switch disconnector with fuse | ■ | ■ | – | 3KF LV HRC | IEC | See page 8/96 | – | – |
| | ■ | ■ | – | 3KF SITOR | IEC / UL | See page 8/96 | – | – |
| | – | – | ■ | 3NJ62 | IEC | See page 8/112 | – | – |

System overview, page 7/4

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Overview, see page 7/30

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| IEC | IEC | IEC / UL | IEC / UL | IEC | UL |
| 2 ... 1250 A | 0.5 ... 100 A | 2 ... 2400 A | 1 ... 125 A | 2 ... 630 A | 0.5 ...30 A |
| 400 ... 690 V | 400 ... 690 V | 500 ... 2500 V | 600 ... 1500 V | – | 600 V |
| 250 ... 400 V | – | 440 ... 3000 V | 250 ... 1000 V | 1000 ... 1500 V | 150 ... 300 V |
| LV HRC | Cylindrical | SITOR LV HRC | SITOR cylindrical | Photovoltaic | Class CC |
| ■ | ■ | – | – | – | ■ |
| ■ | ■ | – | – | – | ■ |
| – | – | ■ | ■ | – | – |
| – | ■ | – | – | ■ | – |
| – | – | ■ | ■ | – | – |
| 3NA, 3ND | 3NW6, 3NW8 | 3NE, 3NC | 3NC10 | 3NE..., 3NW... | 3NW1, 3NW2, 3NW3 |
| See page 7/36 | See page 7/41 | See page 7/42 | See page 7/59 | See page 7/35<br>See page 7/64 | See page 7/65 |
| – | – | – | – | – | – |
| – | – | – | – | – | – |
| ■ | – | ■ | – | – | – |
| – | – | – | – | ■ | – |
| – | ■ | – | – | – | ■ |
| – | – | – | ■ | – | – |
| – | – | – | – | ■ | – |
| ■ | – | ■ | – | – | – |
| ■ | – | ■ | – | – | – |
| – | – | – | – | – | – |
| ■ | – | – | – | – | – |
| ■ | – | (■) | – | – | – |
| – | – | ■ | – | – | – |
| ■ | – | – | – | – | – |

System overview, page 7/4

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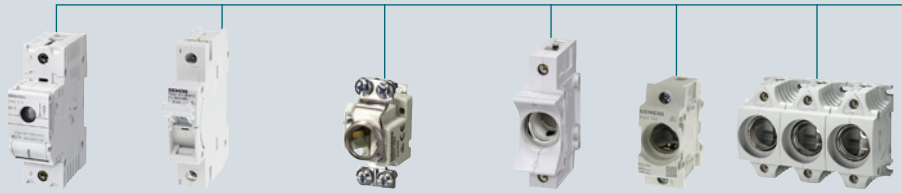
# Overview of fuse holders, bases and D0 fuse switching devices



## IEC



| | | | MINIZED switch discon-nectors | MINIZED fuse switch discon-nectors | NEOZED fuse bases | | | NEOZED comfort bases | NEOZED fuse bases | DIAZED fuse bases |
|---|---|---|---|---|---|---|---|---|---|---|
| **Basic data** | | | | | | | | | | |
| Size | | | D02 | D01 | D01 | D02 | D03 | D01, D02 | D01, D02 | NDz, DII, DIII |
| Variant | | | 5SG71 | 5SG76 | 5SG15<br>5SG55 | 5SG16<br>5SG56 | 5SG18 | 5SG1301<br>5SG1701<br>5SG5301<br>5SG5701 | 5SG1302<br>5SG1702<br>5SG5302<br>5SG5702 | 5SF |
| **Standards** | | | | | | | | | | |
| Standards | | | DIN VDE 0638;<br>EN 60947-3<br>(VDE 0660-107)<br>EC/EN 60947-3 | DIN VDE 0638;<br>EN 60947-3<br>(VDE 0660-107)<br>EC/EN 60947-3 | IEC 60269-3;<br>DIN VDE 0636-3 | | | IEC 60269-3;<br>DIN VDE<br>0636-3 | IEC 60269-3;<br>DIN VDE<br>0636-3 | IEC 60269-3;<br>DIN VDE 0635;<br>DIN VDE 0636-3;<br>CEE 16 |
| Approvals | | | – | – | | – | | – | – | – |
| Approvals | | | – | – | | – | | – | – | – |
| **Technical specifications AC** | | | | | | | | | | |
| Rated voltage | $U_n$ | V AC | 230/400,<br>240/415 | 230/400,<br>240/415 | 400 | 400 | 400 | – | – | 500, 690, 750 |
| | $U_n$ acc. to UL | V AC | – | – | – | – | – | – | – | – |
| 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-22 B,<br>AC-23 B (35A) | AC-22 A | – | – | – | – | – | – |
| **Technical specifications DC** | | | | | | | | | | |
| Rated voltage | $U_n$ | V DC | 65 (1P),<br>130 (2P) | 48 (1P),<br>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-22 B | – | – | – | – | – | – | – |
| **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 | | | – | – | | – | | – | – | – |

[1] Extended rated voltage up to 1000 V (except LV HRC bus-mounting bases).

System overview, page 7/4

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# IEC

| Cylindrical fuse holders | | LV HRC fuse bases, LV HRC bus-mounting bases | | | | | | Fuse bases for photovoltaic cumulative fuses | | | | | | NEOZED bus-mounting bases for 5SG 60 mm compact busbar systems | NEOZED SR60 bus-mounting bases | DIAZED SR60 bus-mounting bases | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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<br>5SG6206<br>5SG6207 | 5SF6014<br>5SF6015<br>5SF6020 | 5SF6214<br>5SF6215<br>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, DIN VDE 0636-3 | IEC 60269-3, DIN VDE 0636-3 |
| UL File No. E171267 | | KEMA; UL File No. E171267-IZLT2 | | | | | | – | – | – | – | – | – | – | – | – | – |
| – | – | – | | | | | | – | – | – | – | – | – | – | – | – | – |
| 400 | 690 | 690 [1] | 690 [1] | 690 [1] | 690 [1] | 690 [1] | 690 | – | – | – | – | – | – | 400 | 400 | 500 | 690 |
| – | 700 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 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 | – | – | – | – |
| – | | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

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System overview, page 7/4

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# Overview of fuse holders, bases and D0 fuse switching devices

## IEC / UL

| | | | LV HRC fuse bases, LV HRC bus-mounting bases | | | | | | Cylindrical fuse holders | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Basic data** | | | | | | | | | | | |
| Size | | | 000/00 | 0 | 1 | 2 | 3 | 4 | 10 × 38 mm | 14 × 51 mm | 22 × 58 mm |
| Variant | | | – | – | – | – | – | – | 3NC10 | 3NC14 | 3NC22 |
| **Standards** | | | | | | | | | | | |
| Standards | | | 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 |
| Approvals | | | KEMA, UL File No. E171267-IZLT2 | | | | | | UL 4248-1; UL File No. E171267; CSA C22.2 No. 39-M | | |
| Approvals | | | – | | | | | | UL, CSA | UL, CSA | UL, CSA |
| **Technical specifications AC** | | | | | | | | | | | |
| Rated voltage | $U_n$ | V AC | 690 [1] | 690 [1] | 690 [1] | 690 [1] | 690 [1] | 690 | 690 | 690 | 690 |
| | $U_n$ acc. to UL | V AC | – | – | – | – | – | – | 600 | 600 | 600 |
| Rated insulation voltage | | V AC | – | – | – | – | – | – | – | – | – |
| Short-circuit strength | | kA AC | – | – | – | – | – | – | 50 | 50 (100 at 400 V) | 50 (100 at 500 V) |
| Rated current | $I_n$ | A | 160 | 160 | 250 | 400 | 630 | 1250 | 32 | 50 | 100 |
| | $I_n$ acc. to UL/CSA | A | – | – | – | – | – | – | 30 | 50 (UL), 40 (CSA) | 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) |
| **Technical specifications DC** | | | | | | | | | | | |
| Rated voltage | $U_n$ | V DC | 250 | 440 | 440 | 440 | 440 | 440 | 800 | | |
| | $U_n$ acc. to UL | V DC | – | – | – | – | – | – | – | – | – |
| Short-circuit strength | | kA DC | 25 | 25 | 25 | 25 | 25 | 25 | – | – | – |
| Utilization category | Acc. to EN 60947-3 | A | – | – | – | – | – | – | – | – | – |
| **Further technical specifications** | | | | | | | | | | | |
| Overvoltage category | | | – | – | – | – | – | – | – | – | – |
| Max. power dissipation of fuse links (conductor cross-section used) | | W | 12 | 25 | 32 | 45 | 60 | 90 | 3 (6 mm²), 4.3 (10 mm²) | 5 (10 mm²), 6.5 (25 mm²) | 9.5 (35 mm²), 11 (50 mm²) |
| Pollution degree | | | – | – | – | – | – | – | 2 | 2 | 2 |

[1] Extended rated voltage up to 1000 V (except LV HRC bus-mounting bases).

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## IEC / UL

## UL

| Cylindrical fuse holders | | Photovoltaic cylindrical fuse holders | | Class CC fuse holders | Class J fuse holders | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 10 × 38 mm | 14 × 51 mm | 10 x 38 mm | 10 x 85 mm | – | – | | | | |
| 3NW70..<br>3NW703.-1 | 3NW71.. | 3NW70..-4 | 3NW76..-4 | 3NW75.3-0HG<br>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;<br>NF C 60-200,<br>NF C 63-210, -211;<br>NBN C 63269-2-1;<br>CEI 32-4, -12; UL 4248-1 | | IEC 60269,<br>IEC 60269-2,<br>IEC 60947,<br>UL 4248-1, -18 | IEC 60269,<br>IEC 60269-2,<br>IEC 60947,<br>UL 4248-1, -18 | UL 4248-1;<br>CSA C22.2 | UL 4248-1 Ed.1, UL 4248-8 Ed.1 | | | | |
| UL File No. E171267 | | (File No. E469670, CCC) (variants without signal detector) | (E355487) | UL 4248-1;<br>UL File No. E171267;<br>CSA C22.2 | UL File No. E171267;<br>CSA File No. 233322;<br>Class No. 6225-01 | | | | |
| , | | – | – | – | , | , | c us | c us | , Busbar device: c us |
| | | | | | | | | | |
| 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 |
| – | – | – | – | – | – | – | – | – | – |
| AC-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 mm²),<br>4.3 (10 mm²) | – | | | | |
| – | | 2 | – | 2 | No information as the devices are only tested and certified to UL/CSA and not to IEC | | | | |

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System overview, page 7/4

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# MINIZED fuse switch disconnectors

| | Number of poles | 1P | 1P+N | 2P | 3P | 3P+N |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Size** | **Rated current** | | | | | |
| 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 |

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# MINIZED switch disconnectors

| Number of poles | 1P | 1P+N | 2P | 3P | 3P+N |
|---|---|---|---|---|---|
| | | | | | |
| **Size** | **Rated current** | | | | |
| 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

## Accessories

### Reducers

| Use | Article No. |
|---|---|
| For D01 fuse links in MINIZED D02 switch disconnectors | 5SH5527 |

### Auxiliary switches (AS)

| Version | Article No. |
|---|---|
| 1 NO contact + 1 NC contact | 5ST3010 |
| 2 NO contacts | 5ST3011 |
| 2 NC contacts | 5ST3012 |

### Auxiliary switches (AS) with TEST button

| Version | Article No. |
|---|---|
| 1 NO contact + 1 NC contact | 5ST3010-2 |
| 2 NO contacts | 5ST3011-2 |
| 2 NC contacts | 5ST3012-2 |



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# NEOZED bus-mounting switch disconnectors

## For 8US 60 mm busbar systems

| | | | | | | | Size D02 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Mounting width | 1.5 MW | 1.5 MW | 1.5 MW |
| | | | | | | | | | |
| **For flat copper profiles** | **Rated current $I_e$** | | **Rated voltage $U_e$** | | | **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 | – | 400 V AC | – | – | IEC | 5SG7234-1 [2] | – | 5SG7234-2 [2] |
| | | | 400 V AC | 110 V DC | – | IEC | – | 5SG7230 [1] | – |

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

## Suitable accessories

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**Auxiliary switches**

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

| **Contacts** | **Mounting width** | **Article No.** | **Article No.** | **Article No.** |
|---|---|---|---|---|
| 1 CO contact | 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** | **Article No.** | **Article No.** | **Article No.** |
|---|---|---|---|
| For NEOZED D01 fuse links in SR60 bus-mounting switch disconnectors | 5SH5527 | 5SH5527 | 5SH5527 |

Busbar systems, see page 13/1


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# NEOZED fuse bases

| | | Comfort bases made of molded plastic | | Fuse bases made of molded plastic | | |
|---|---|---|---|---|---|---|
| | | | | Without LED signal detector | | With LED signal detector |
| Number of poles | | 1P | 3P | 1P | 3P | 1P |
| | | | | | | |
| **Size** | **Rated current** | | | | | |
| D01 | 16 A | 5SG1301 | 5SG5301 | 5SG1302 | 5SG5302 | 5SG1302-1 |
| D02 | 63 A | 5SG1701 | 5SG5701 | 5SG1702 | 5SG5702 | 5SG1702-1 |
| 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 | 5SH4317 |
| | | | D02 | 5SH4362 |

### NEOZED adapter sleeves

| | Fuse size | Rated current | Color | Article No. |
|---|---|---|---|---|
| | D01 | 2 A | Pink | 5SH5002 |
| | | 4 A | Brown | 5SH5004 |
| | | 6 A | Green | 5SH5006 |
| | | 10/13 A | Red | 5SH5010 |
| | D01 fuse links in D02 base and MINIZED D02 switch disconnectors | 2 A | Pink | 5SH5402 |
| | | 4 A | Brown | 5SH5404 |
| | | 6 A | Green | 5SH5406 |
| | | 10/13 A | Red | 5SH5410 |
| | | 16 A | Gray | 5SH5416 |
| | 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 |

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| | Fuse bases made of ceramic | | | | | |
|---|---|---|---|---|---|---|
| | With clamp-type terminal | | With saddle terminal | | With screw head contact | |
| 3P | 1P | 3P | 1P | 3P | 1P | 3P |
| | | | | | | |
| 5SG5302-1 | 5SG1553 | 5SG5553 | – | – | – | – |
| 5SG5702-1 | – | – | 5SG1653 | 5SG5653 | 5SG1693 | 5SG5693 |
| – | – | – | – | – | 5SG1812 | – |

## NEOZED covers

| Fuse size | Article No. |
|---|---|
| D03 | 5SH5233 |

## NEOZED adapter sleeve fitters

| | Article No. |
|---|---|
| | 5SH5100 |

## NEOZED retaining springs

| Use | Article No. |
|---|---|
| For D01 fuse links in D02 screw caps, 2 ... 16 A | 5SH5400 |

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# DIAZED fuse bases

| | | Fuse bases made of molded plastic | | Fuse bases made of ceramic | |
|---|---|---|---|---|---|
| | | With box terminal | | With clamp-type terminal | With saddle terminal |
| | Number of poles | 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.

## Accessories

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### 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 | Rated current | 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 |

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**With screw head contact**

**1P**

**$U_n$ AC/DC**
**750/750 V**

–

5SF4230

**DIAZED adapter sleeves for screw caps**

| Use | Article No. |
|---|---|
| For DII fuse links in DIII base | 5SH302 |

**DIAZED adapter sleeve fitters**

| Use | Article No. |
|---|---|
| For DII / DIII screw adapters | 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 |

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# Bus-mounting bases

## For 8US busbar systems

| | | | | Compact busbar systems | 60 mm busbar systems | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | NEOZED design | NEOZED design | | DIAZED design | |
| | | | Number of poles | 3P | 3P | | 3P | |
| | | | | | | | | |
| **Size** | **$I_n$** | **Mounting width** | **$U_n$ AC/DC** | **With touch protection** | **Standard** | **With touch protection** | **Standard** | **With touch protection** |
| D02 | 63 A | 1.5 MW | | – | 3NW7122 | 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.

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## Accessories

| Covers for 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 |

Busbar systems, see page 13/1



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# Photovoltaic cumulative fuse bases

| | | | With flat terminals, ceramic | With swiveling mechanism | With swiveling mechanism and microswitch for tripped signaling |
|---|---|---|---|---|---|
| | | | | | |
| **Size** | **Rated current** | **Rated voltage DC** | | | |
| 1 | 250 A | 1000 V | 3NH3230 | – | – |
| 1L | 250 A | 1000 V | – | 3NH7260-4 | 3NH7262-4KK01 |
| 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 | – |

## Accessories

**Terminal covers for PV fuse bases with swiveling mechanism**

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

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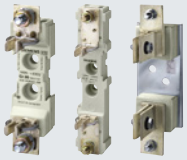
# LV HRC fuse bases

| | Ceramic | | | |
|---|---|---|---|---|
| Number of poles | 1P | | | |
| |  | | | |
| **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 | Use | Article No. |
|---|---|---|
| 000/00 | 1P and 3P | 3NX3115 |
| | When using fuse links with non-insulated grip lugs | 3NX3116 |

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| | | Molded plastic | With swivel device |
|---|---|---|---|
| 3P | | 1P | 1P |
| | | | |
| **Flat terminals** | **Saddle-type terminal** | **Flat terminals** | **Flat terminals** |
| 3NH4030 | 3NH4032 | 3NH3051 | – |
| – | – | – | – |
| 3NH4230 | – | – | – |
| – | – | – | – |
| – | – | – | – |
| – | – | – | – |
| – | – | – | 3NH7520 |

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## Covers for LV HRC fuse bases

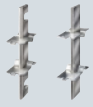
- Red color
- With inscription "Isolating point"
- Observe width 60 mm of the blank insert when using for size 1

| 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 |

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# Cylindrical fuse holders

| Number of poles | 1P | | 1P+N | 2P | 3P | | 3P+N |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Size** | **Rated current** | **Standard** | **Bus-mounting fuse holders** | **Standard** | **Standard** | **Standard** | **Compact** | **Standard** |
| **Without LED signal detector** | | | | | | | | |
| 8 mm × 32 mm | 20 A | 3NW7313 | – | 3NW7353 | 3NW7323 | 3NW7333 | – | 3NW7363 |
| 10 mm × 38 mm | 30 A | – | 3NW7431 | – | – | – | – | – |
| | 32 A | 3NW7013 | – | 3NW7053 | 3NW7023 | 3NW7033 | 3NW7033-1 | 3NW7063 |
| 14 mm × 51 mm | 50 A | 3NW7111 | – | 3NW7151 | 3NW7121 | 3NW7131 | – | 3NW7161 |
| 22 mm × 58 mm | 100 A | 3NW7211 | – | 3NW7251 | 3NW7221 | 3NW7231 | – | 3NW7261 |
| **With LED signal detector** | | | | | | | | |
| 8 mm × 32 mm | 20 A | 3NW7314 | – | 3NW7354 | 3NW7324 | 3NW7334 | – | 3NW7364 |
| 10 mm × 38 mm | 32 A | 3NW7014 | – | 3NW7054 | 3NW7024 | 3NW7034 | 3NW7034-1 | 3NW7064 |
| 14 mm × 51 mm | 50 A | 3NW7112 | – | 3NW7152 | 3NW7122 | 3NW7132 | – | 3NW7162 |
| 22 mm × 58 mm | 100 A | 3NW7212 | – | 3NW7252 | 3NW7222 | 3NW7232 | – | 3NW7262 |

## 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 mm × 51 mm | 3NW7901 |
| | 22 mm × 58 mm | 3NW7902 |
| Switching state of fuse holder | 8 mm × 32 mm and 10 mm × 38 mm | 3NW7903 |

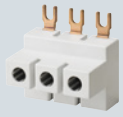
### Auxiliary switches for cylindrical fuse holders, compact

| Rated operational current $I_e$/AC-12 | Rated operational voltage $U_e$ | Contacts | Article No. |
|---|---|---|---|
| 5 A | Max. 250 V | 1 NO contact + 1 NC contact | 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 mm² ... 35 mm² | 5ST2600 |

Busbar systems, see page 13/1



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# SITOR fuse bases and holders

## For SITOR fuses with bolt-on links or blade contacts

| | | | | Ceramic | Metal |
|---|---|---|---|---|---|
| | | | | | |
| **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 | | | | Cylindrical fuse bases | | |
|---|---|---|---|---|---|---|---|---|
| | Number of poles | 1P | | 2P | 3P | 1P | 2P | 3P |
| | | | | | | | | |
| **Size** | **Rated voltage AC / DC** | **Signaling switch** | | | | | | |
| | | **without** | **with** | | | | | |
| 10 mm × 38 mm | 600 / – V | – | – | – | – | 3NC1038-1 | 3NC1038-2 | 3NC1038-3 |
| | 690 / 800 V | 3NC1091 | – | 3NC1092 | 3NC1093 | – | – | – |
| 14 mm × 51 mm | 690 / 800 V | 3NC1491 | 3NC1491-5 | 3NC1492 | 3NC1493 | – | – | – |
| 22 mm × 58 mm | 690 / 800 V | 3NC2291 | 3NC2291-5 | 3NC2292 | 3NC2293 | – | – | – |
| 22 mm × 127 mm | 1500 / 1000 V | 3NC2391-0MK | – | 3NC2392-0MK | 3NC2393-0MK | – | – | – |

## Accessories

**Fuse tongs**

| For sizes | Article No. |
|---|---|
| 10 mm × 38 mm<br>14 mm × 51 mm<br>22 mm × 58 mm | 3NC1000 |

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# Photovoltaic cylindrical fuse holders

| | | Without signal detector | | | With signal detector | |
|---|---|---|---|---|---|---|
| | Number of poles | 1P | 1P | 2P | 1P | 2P |
| | | | | | | |
| **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 mm × 38 mm | 30 A | 3NW7013-4 | – | 3NW7023-4 | 3NW7014-4 | 3NW7024-4 |
| 10 mm × 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 | 3P |
| | | | | | | | | |
| **Rated current** | **Rated voltage** | | | | | | | |
| 30 A | 600 V | 3NW7511-3HG | 3NW7521-3HG | 3NW7531-3HG | – | – | – | – |
| 60 A | 600 V | 3NW7511-5HG | 3NW7521-5HG | 3NW7531-5HG | – | – | – | – |
| 100 A | 600 V | – | – | – | 3NW7531-6HG | 3NW7431-6HG | – | – |
| 200 A | 600 V | – | – | – | 3NW7531-7HG | – | 3NW7431-7HG | – |
| 400 A | 600 V | – | – | – | 3NW7531-8HG | – | – | 3NW7431-8HG |

Busbar systems, see page 13/1

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# Class CC fuse holders

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

Busbar systems, see page 13/1

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# Overview of fuse links

IEC

| | | NEOZED fuse links | DIAZED fuse links | SILIZED fuse links | LV HRC fuse links |
|---|---|---|---|---|---|
| **Basic data** | | | | | |
| Design | | NEOZED | DIAZED | NEOZED, DIAZED | LV HRC |
| Size | | D01, D02, D03 | NDz, DII, DIII | D01, D02, DII, DIII, DIV | 000/00, 0, 1, 2, 3, 4, 4a |
| Operational class | | gG | gG | gR | gG, aM |
| Rated current | A | 2 ... 100 | 2 ... 100 | 10 ... 100 | 2 ... 1250 |
| **Standards** | | | | | |
| Standard | | IEC 60269-3<br>DIN VDE 0636-3 | IEC 60269-3<br>DIN VDE 0635<br>DIN VDE 0636-3<br>CEE 16 | IEC 60269-3 / -4<br>DIN VDE 0636-3<br>EN 60269-4<br>(VDE 0636-4) | IEC 60269-1 / -2<br>EN 60269-1<br>DIN VDE 0636 |
| Approvals | | – | – | – | CSA 22.2 |
| **Technical specifications AC** | | | | | |
| Rated voltage AC | V | 400 | 500 ... 750 | 400 ... 500 | 400 ... 690<br>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** | | | | | |
| Catalog LV 10 | | See page 7/33 | See page 7/33 | See page 7/34 | Page 7/36 |

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| IEC | | | IEC / UL | | UL |
|---|---|---|---|---|---|
| | | | | | |
| **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 | Cylindrical | LV HRC | LV HRC | Cylindrical | Cylindrical |
| 8 × 32 mm,<br>10 × 38 mm,<br>14 × 51 mm,<br>22 × 58 mm | 10 × 38 mm,<br>10 × 85 mm | 1, 1L, 2L, 3L,<br>1XL, 2XL | 000, 00, 1, 2, 3 | 10 × 38 mm,<br>14 × 51 mm,<br>22 × 58 mm | – |
| gG, aM | gPV | gPV | gS, gR, aR | gS, gR, aR | – |
| 0.5 ... 100 | 2 ... 20 | 63 ... 630 | 6 ... 2400 | 1 ... 125 | 0.6 ... 30 |
| IEC 60269-1 / -2<br>NF C 60-200<br>NF C 63-210 / -211<br>NBN C 63269-2<br>CEI 32-4 / -12 | IEC 60269-6 | IEC 60269-6 | IEC 60269-4 | IEC 60269-2 | – |
| UL 4248-1; CSA | – | – | UL 4248-1<br>UL 4248-13 | UL 4248-1<br>UL 4248-13 | UL 4248-1<br>CSA C22.2 |
| 400 ... 690<br>400 ... 600 (UL / CSA) | – | – | 500 ... 2500 | 690 ... 1500<br>600 ... 1500 (UL / CSA) | 600 |
| 20 ... 120 | – | – | 100 ... 150 | 100 | 200 |
| – | 1000 ... 1500 | 1000 ... 1500 | 400 ... 1500 | 250 ... 1000 | 150 ... 300 |
| – | 30 | 30 | – | – | – |
| Page 7/41 | Page 7/64 | Page 7/35 | Page 7/42 | Page 7/59 | Page 7/65 |



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# 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 |





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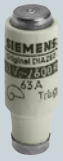
# DIAZED fuse links

| | Size DII | Size DIII [1] | | | Size DIV | Size TNDz |
|---|---|---|---|---|---|---|
| | E27 | E33 | | | R 1¼" | E16 |
| Operational class | gG | gG | | quick | gG | slow |
| | | |  | | | |

| $I_n$ | Identification color | $U_n$ AC/DC 500/440 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 |
|---|---|---|---|---|---|---|---|
| 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 A ... 25 A use screw adaptor DII

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# SILIZED fuse links

## Operational class gR

| | | | NEOZED design | | DIAZED design | | |
|---|---|---|---|---|---|---|---|
| | | | Size D01 | Size D02 | Size DII | Size DIII | Size DIV |
| | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | $U_n$ 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 $A^2s$ | 6.9 W | 5SE1310 | – | – | – | – |
| 16 A | 60 $A^2s$ | 12.1 W | – | – | 5SD420 | – | – |
| | 120 $A^2s$ | 6.2 W | 5SE1316 | – | – | – | – |
| 20 A | 139 $A^2s$ | 12.3 W | – | – | 5SD430 | – | – |
| | 190 $A^2s$ | 8.1 W | – | 5SE1320 | – | – | – |
| 25 A | 205 $A^2s$ | 12.5 W | – | – | 5SD440 | – | – |
| | 215 $A^2s$ | 8.2 W | – | 5SE1325 | – | – | – |
| 30 A | 310 $A^2s$ | 13.5 W | – | – | 5SD480 | – | – |
| 35 A | 470 $A^2s$ | 16.7 W | – | 5SE1335 | – | – | – |
| | 539 $A^2s$ | 14.8 W | – | – | – | 5SD450 | – |
| 50 A | 1250 $A^2s$ | 18.5 W | – | – | – | 5SD460 | – |
| | 1960 $A^2s$ | 12.0 W | – | 5SE1350 | – | – | – |
| 63 A | 1890 $A^2s$ | 28 W | – | – | – | 5SD470 | – |
| | 4230 $A^2s$ | 15.5 W | – | 5SE1363 | – | – | – |
| 80 A | 4200 $A^2s$ | 34.3 W | – | – | – | – | 5SD510 |
| 100 A | 8450 $A^2s$ | 41.5 W | – | – | – | – | 5SD520 |





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# Photovoltaic cumulative fuses

## 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 | – | – |



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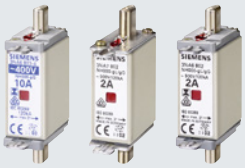
# LV HRC fuse links

## Operational class gG, with combination alarm

| | Size 000 | | | Size 00 | | | Size 1 | | |
|---|---|---|---|---|---|---|---|---|---|
| Mounting width | 21 mm | | | 30 mm | | | 30 mm | | |
| |  | | | | | | | | |
| $I_n$ | $U_n$ AC/DC | | | $U_n$ AC/DC | | | $U_n$ AC/DC | | |
| | 400/– V | 500/250 V | 690 [1]/250 V | 400/– V | 500/250 V | 690 [1]/250 V | 400/– V | 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.

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| Size 1<br>47.2 mm | | | Size 2<br>47.2 mm | | | Size 2<br>57.8 mm | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $U_n$ AC/DC<br>400/– V | 500/440 V | 690 [1]/440 V | $U_n$ AC/DC<br>400/– V | 500/440 V | 690 [1]/440 V | $U_n$ AC/DC<br>400/– V | 500/440 V | 690 [1]/440 V |
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| – | – | – | – | 3NA6214 | – | – | – | – |
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| – | – | – | 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 | – |
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| – | – | – | – | 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 | – |

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# 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.

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| 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 500/440 V | 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 500/440 V | 690 [1]/440 V | $U_n$ AC/DC 500/440 V | $U_n$ AC/DC 500/440 V |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
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| 3NA3214 | – | – | – | – | – | – | – | – | – |
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| 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 |

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# LV HRC fuse links

## Operational class aM, with front indicator

| | Size 000 | Size 00 | Size 1 | | Size 2 | | 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/DC 500/– V | $U_n$ AC/DC 500/– V | $U_n$ AC/DC 690/– V | $U_n$ AC/DC 690/– V | $U_n$ AC/DC 690/– V | $U_n$ AC/DC 690/– V | $U_n$ AC/DC 690/– V | $U_n$ AC/DC 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 |

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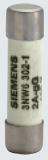
# Cylindrical fuse links

## Operational class gG

| | Size 8 × 32 mm | Size 10 × 38 mm | | Size 14 × 51 mm | | Size 22 × 58 mm | |
|---|---|---|---|---|---|---|---|
| |  | | | | | | |
| $I_n$ | $U_n$ 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

| | Size 10 × 38 mm | | Size 14 × 51 mm | | | Size 22 × 58 mm | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| $I_n$ | $U_n$ 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 | – |

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# SITOR LV HRC semiconductor fuses

## Operational class gS, with blade contacts without slots

| | | | | Size 000 | Size 00 | Size 1 | Size 2 | Size 3 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 690/– V [1] | $U_n$ AC/DC 690/– V [1] | $U_n$ AC/DC 690/– V [1] | $U_n$ AC/DC 690/– V [1] | $U_n$ AC/DC 690/– V [1] |
| 16 A | 200 $A^2s$ | 4 W | 1.0 | 3NE1813-0 | – | – | – | – |
| 20 A | 430 $A^2s$ | 5 W | 1.0 | 3NE1814-0 | – | – | – | – |
| 25 A | 780 $A^2s$ | 5 W | 1.0 | 3NE1815-0 | – | – | – | – |
| 35 A | 1700 $A^2s$ | 3.5 W | 1.0 | 3NE1803-0 | – | – | – | – |
| 40 A | 3000 $A^2s$ | 3 W | 1.0 | 3NE1802-0 | – | – | – | – |
| 50 A | 4400 $A^2s$ | 6 W | 1.0 | 3NE1817-0 | – | – | – | – |
| 63 A | 9000 $A^2s$ | 7 W | 1.0 | 3NE1818-0 | – | – | – | – |
| 80 A | 18000 $A^2s$ | 8 W | 1.0 | 3NE1820-0 | – | – | – | – |
| 100 A | 33000 $A^2s$ | 10 W | 1.0 | – | 3NE1021-0 | – | – | – |
| 125 A | 63000 $A^2s$ | 11 W | 1.0 | – | 3NE1022-0 | – | – | – |
| 160 A | 60000 $A^2s$ | 24 W | 1.0 | – | – | 3NE1224-0 | – | – |
| 200 A | 100000 $A^2s$ | 27 W | 1.0 | – | – | 3NE1225-0 | – | – |
| 250 A | 200000 $A^2s$ | 30 W | 1.0 | – | – | 3NE1227-0 | – | – |
| 315 A | 310000 $A^2s$ | 38 W | 1.0 | – | – | 3NE1230-0 | – | – |
| 350 A | 430000 $A^2s$ | 42 W | 1.0 | – | – | – | 3NE1331-0 | – |
| 400 A | 590000 $A^2s$ | 45 W | 1.0 | – | – | – | 3NE1332-0 | – |
| 450 A | 750000 $A^2s$ | 53 W | 1.0 | – | – | – | 3NE1333-0 | – |
| 500 A | 950000 $A^2s$ | 56 W | 1.0 | – | – | – | 3NE1334-0 | – |
| 560 A | 1700000 $A^2s$ | 50 W | 1.0 | – | – | – | – | 3NE1435-0 |
| 630 A | 2350000 $A^2s$ | 55 W | 1.0 | – | – | – | – | 3NE1436-0 |
| 710 A | 3400000 $A^2s$ | 58 W | 1.0 | – | – | – | – | 3NE1437-0 |
| 800 A | 5000000 $A^2s$ | 58 W | 1.0 | – | – | – | – | 3NE1438-0 |

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

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# Operational class gR, with bolt-on links

| | | | | Size 000 | Size 00 |
|---|---|---|---|---|---|
| | | | Screw fixing, mounting dimension | M8, 80 mm | M10, 80 mm |
| | | | | | |
| $I_n$ | Operating value $I^2t$ | 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 $A^2s$ | 7 W | 0.9 | 3NE8714-1 | – |
| 25 A | 140 $A^2s$ | 9 W | 0.9 | 3NE8715-1 | – |
| 32 A | 285 $A^2s$ | 10 W | 0.9 | 3NE8701-1 | – |
| 40 A | 490 $A^2s$ | 12 W | 0.9 | 3NE8702-1 | – |
| 50 A | 815 $A^2s$ | 15 W | 0.9 | 3NE8717-1 | – |
| 80 A | 3200 $A^2s$ | 23 W | On req. | – | 3NE8020-3MK |
| 100 A | 5200 $A^2s$ | 29 W | On req. | – | 3NE8021-3MK |
| **Further information** | | | | | |
| Catalog LV 10 | | | | For further currents for operational class aR, see page 7/48 | For further currents for operational class aR, see page 7/48 |



System overview, page 7/4

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# SITOR LV HRC semiconductor fuses

## Operational class gR, with blade contacts without slots

| | | | | Size 000 | Size 00 | Size 0 |
|---|---|---|---|---|---|---|
| | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 690/400 V | $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 1000 V [1] |
| 6 A | 37 $A^2s$ | 2.7 W | On req. | 3NE8810-0MK | – | – |
| 10 A | 50 $A^2s$ | 4.5 W | On req. | 3NE8812-0MK | – | – |
| 16 A | 73 $A^2s$ | 6.7 W | On req. | 3NE8813-0MK | – | – |
| 20 A | 90 $A^2s$ | 8 W | On req. | 3NE8814-0MK | – | – |
| 25 A | 150 $A^2s$ | 8.1 W | On req. | 3NE8815-0MK | – | – |
| | 180 $A^2s$ | 7 W | 0.95 | – | 3NE8015-1 | – |
| 32 A | 280 $A^2s$ | 12 W | 0.9 | – | – | 3NE4101 |
| | 350 $A^2s$ | 10.5 W | On req. | 3NE8801-0MK | – | – |
| 35 A | 400 $A^2s$ | 9 W | 0.95 | – | 3NE8003-1 | – |
| 40 A | 480 $A^2s$ | 12 W | On req. | 3NE8802-0MK | – | – |
| | 500 $A^2s$ | 13 W | 0.9 | – | – | 3NE4102 |
| 50 A | 700 $A^2s$ | 14 W | 0.90 | – | 3NE8017-1 | – |
| | 800 $A^2s$ | 16 W | 0.9 | – | – | 3NE4117 |
| | 1050 $A^2s$ | 14.5 W | On req. | 3NE8817-0MK | – | – |
| 63 A | 1400 $A^2s$ | 16 W | 0.95 | – | 3NE8018-1 | – |
| | 1960 $A^2s$ | 23 W | On req. | 3NE8818-0MK | – | – |
| 80 A | 5800 $A^2s$ | 10.5 W | 1.0 | – | 3NE1020-2 | – |
| 100 A | 11000 $A^2s$ | 12 W | 1.0 | – | 3NE1021-2 | – |
| 125 A | 23000 $A^2s$ | 13.5 W | 1.0 | – | 3NE1022-2 | – |
| 160 A | 18600 $A^2s$ | 32 W | 1.0 | – | – | – |
| 200 A | 51800 $A^2s$ | 35 W | 1.0 | – | – | – |
| 250 A | 80900 $A^2s$ | 37 W | 1.0 | – | – | – |
| 315 A | 168000 $A^2s$ | 40 W | 1.0 | – | – | – |
| 350 A | 177000 $A^2s$ | 43 W | 1.0 | – | – | – |
| 400 A | 224000 $A^2s$ | 50 W | 1.0 | – | – | – |
| 450 A | 276500 $A^2s$ | 58 W | 1.0 | – | – | – |
| 500 A | 398000 $A^2s$ | 64 W | 1.0 | – | – | – |
| 560 A | 890000 $A^2s$ | 60 W | 1.0 | – | – | – |
| 630 A | 1390000 $A^2s$ | 60 W | 1.0 | – | – | – |
| 670 A | 1640000 $A^2s$ | 64 W | 1.0 | – | – | – |
| 710 A | 1818000 $A^2s$ | 72 W | 1.0 | – | – | – |
| | 2460000 $A^2s$ | 65 W | 1.0 | – | – | – |
| 800 A | 2475000 $A^2s$ | 84 W | 1.0 | – | – | – |
| | 3350000 $A^2s$ | 72 W | 1.0 | – | – | – |
| 850 A | 3640000 $A^2s$ | 76 W | 1.0 | – | – | – |
| **Further information** | | | | | | |
| Catalog LV 10 | | | | For further currents for operational class aR, see page 7/49 | – | For further currents for operational class aR, see page 7/49 |

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

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| Size 1 | Size 2 | Size 3 | |
|---|---|---|---|
| | | | |
| $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 600/– V [1] | 690 V [1] |
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| 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 |
| | | | |
| – | – | – | – |

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# SITOR LV HRC semiconductor fuses

## Operational class gR, with slotted blade contacts

| | With 2 oblong slots | | With oblong and transverse slots | |
|---|---|---|---|---|
| | Size 3 | | Size 1 | |
| Screw fixing, mounting dimension (lateral) | M10, 110 mm | | M10, 110 mm | |
| | | | | |

| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 500 V [1] | 690 V [1] | $U_n$ AC/DC 690 V [1] | 1000/600 V |
|---|---|---|---|---|---|---|---|
| 32 A | 4500 $A^2s$ | 9 W | On req. | – | – | – | 3NE3201-0MK |
| 40 A | 900 $A^2s$ | 26 W | On req. | – | – | – | – |
| | 6000 $A^2s$ | 13 W | On req. | – | – | – | 3NE3202-0MK |
| 50 A | 1800 $A^2s$ | 27 W | On req. | – | – | – | – |
| | 8000 $A^2s$ | 18 W | On req. | – | – | – | 3NE3217-0MK |
| 63 A | 3100 $A^2s$ | 34 W | On req. | – | – | – | – |
| | 9000 $A^2s$ | 25 W | On req. | – | – | – | 3NE3218-0MK |
| 150 A | 17600 $A^2s$ | 40 W | 0.85 | – | 3NC8423-0C | – | – |
| | 33000 $A^2s$ | 35 W | 0.85 | 3NC2423-0C | – | – | – |
| 160 A | 18600 $A^2s$ | 32 W | 1.0 | – | – | 3NE1224-3 | – |
| 200 A | 38400 $A^2s$ | 55 W | 0.85 | – | 3NC8425-0C | – | – |
| | 51800 $A^2s$ | 35 W | 1.0 | – | – | 3NE1225-3 | – |
| | 64000 $A^2s$ | 40 W | 0.85 | 3NC2425-0C | – | – | – |
| 250 A | 70400 $A^2s$ | 72 W | 0.85 | – | 3NC8427-0C | – | – |
| | 80900 $A^2s$ | 37 W | 1.0 | – | – | 3NE1227-3 | – |
| | 99000 $A^2s$ | 50 W | 0.85 | 3NC2427-0C | – | – | – |
| 300 A | 132000 $A^2s$ | 65 W | 0.85 | 3NC2428-0C | – | – | – |
| 315 A | 168000 $A^2s$ | 40 W | 1.0 | – | – | 3NE1230-3 | – |
| 350 A | 176000 $A^2s$ | 95 W | 0.85 | – | 3NC8431-0C | – | – |
| | 177000 $A^2s$ | 43 W | 1.0 | – | – | – | – |
| | 249000 $A^2s$ | 60 W | 0.85 | 3NC2431-0C | – | – | – |
| 400 A | 224000 $A^2s$ | 50 W | 1.0 | – | – | – | – |
| 450 A | 276500 $A^2s$ | 58 W | 1.0 | – | – | – | – |
| 500 A | 398000 $A^2s$ | 64 W | 1.0 | – | – | – | – |
| | 448000 $A^2s$ | 130 W | 0.85 | – | 3NC8434-0C | – | – |
| 560 A | 890000 $A^2s$ | 60 W | 1.0 | – | – | – | – |
| 630 A | 1390000 $A^2s$ | 60 W | 1.0 | – | – | – | – |
| 670 A | 1640000 $A^2s$ | 64 W | 1.0 | – | – | – | – |
| 710 A | 1818000 $A^2s$ | 72 W | 1.0 | – | – | – | – |
| 800 A | 2475000 $A^2s$ | 84 W | 1.0 | – | – | – | – |
| 850 A | 3640000 $A^2s$ | 76 W | 1.0 | – | – | – | – |
| 1000 A | 1400000 $A^2s$ | 138 W | 1.0 | – | – | – | – |
| 1100 A | 3000000 $A^2s$ | 110 W | 1.0 | – | – | – | – |
| 1250 A | 4100000 $A^2s$ | 104 W | 1.0 | – | – | – | – |
| 1350 A | 4800000 $A^2s$ | 126 W | 1.0 | – | – | – | – |
| 1400 A | 5200000 $A^2s$ | 127 W | 1.0 | – | – | – | – |
| 1600 A | 6900000 $A^2s$ | 152 W | 1.0 | – | – | – | – |
| 1700 A | 6400000 $A^2s$ | 179 W | 1.0 | – | – | – | – |
| 1700 A | 10000000 $A^2s$ | 143 W | 1.0 | – | – | – | – |
| 1900 A | 8200000 $A^2s$ | 196 W | 1.0 | – | – | – | – |
| **Further information** | | | | | | | |
| Catalog LV 10 | | | | For further currents for operational class aR, see page 7/52 | – | – | – |

[1] For the max. DC voltage, see the Configuration Manual „Fuse Systems“, chapter “Configuration”, “Use with direct current”
[2] Minimum clearance 90 mm

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| 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/DC 690 V [1] | $U_n$ AC/DC 1500/1000 V | $U_n$ AC/DC 500 V [1] | 690 V [1] | $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 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 |
| – | – | For further currents for operational class aR, see page 7/52 | For further currents for operational class aR, see page 7/52 | For further currents for operational class aR, see page 7/52 | – | – |

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## Operational class aR, with bolt-on links

| | | | | Size 000 | |
|---|---|---|---|---|---|
| | | | Screw fixing, mounting dimension | M8, 80 mm | M10, 80 mm |
| | | | | | |
| $I_n$ | Operating value $I^2t$ | 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 $A^2s$ | 16 W | 0.95 | 3NE8718-1 | – |
| 80 A | 2700 $A^2s$ | 18 W | 0.9 | 3NE8720-1 | – |
| 100 A | 4950 $A^2s$ | 19 W | 0.95 | 3NE8721-1 | – |
| 125 A | 9100 $A^2s$ | 23 W | 0.95 | 3NE8722-1 | – |
| 160 A | 17000 $A^2s$ | 31 W | 0.9 | 3NE8724-1 | – |
| 200 A | 30000 $A^2s$ | 36 W | 0.9 | 3NE8725-1 | – |
| 250 A | 55000 $A^2s$ | 42 W | 0.9 | 3NE8727-1 | – |
| 315 A | 85500 $A^2s$ | 54 W | 0.85 | 3NE8731-1 | – |
| 350 A | 135000 $A^2s$ | 58.8 W | On req. | – | 3NE8031-3MK |
| 400 A | 170000 $A^2s$ | 74.5 W | On req. | – | 3NE8032-3MK |
| **Further information** | | | | | |
| Catalog LV 10 | | | | For further currents for operational class gR, see page 7/43 | For further currents for operational class gR, see page 7/43 |

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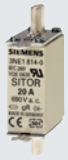
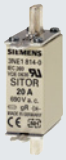
# Operational class aR, with blade contacts without slots

| | | | | Size 000 | | Size 00 | Size 0 | Size 1 | Size 2 |
|---|---|---|---|---|---|---|---|---|---|
| | | | |  |  | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 500/440 V | 690/440 V | $U_n$ AC/DC 690 V [1] | $U_n$ AC/DC 1000 V [1] | $U_n$ AC/DC 690/440 V | $U_n$ AC/DC 690/440 V |
| 63 A | 1500 $A^2s$ | 20 W | 0.9 | – | – | – | 3NE4118 | – | – |
| 80 A | 2200 $A^2s$ | 23.3 W | On req. | – | 3NE8820-0MK | – | – | – | – |
| | 2400 $A^2s$ | 19 W | 0.95 | – | – | 3NE8020-1 | – | – | – |
| | 3000 $A^2s$ | 22 W | 0.9 | – | – | – | 3NE4120 | – | – |
| 100 A | 3650 $A^2s$ | 27 W | On req. | – | 3NE8821-0MK | – | – | – | – |
| | 4200 $A^2s$ | 22 W | 0.95 | – | – | 3NE8021-1 | – | – | – |
| | 6000 $A^2s$ | 24 W | 0.9 | – | – | – | 3NE4121 | – | – |
| | 6050 $A^2s$ | 25.5 W | On req. | – | – | – | – | 3NE8221-0MK | – |
| 125 A | 6500 $A^2s$ | 28 W | 0.95 | – | – | 3NE8022-1 | – | – | – |
| | 7800 $A^2s$ | 30 W | On req. | – | 3NE8822-0MK | – | – | – | – |
| | 8900 $A^2s$ | 28.5 W | On req. | – | – | – | – | 3NE8222-0MK | – |
| | 14000 $A^2s$ | 30 W | 0.9 | – | – | – | 3NE4122 | – | – |
| 160 A | 13000 $A^2s$ | 38 W | 0.95 | – | – | 3NE8024-1 | – | – | – |
| | 14000 $A^2s$ | 34 W | On req. | 3NE8824-0MK | – | – | – | – | – |
| | 16200 $A^2s$ | 37 W | On req. | – | – | – | – | 3NE8224-0MK | – |
| | 29000 $A^2s$ | 35 W | 0.9 | – | – | – | 3NE4124 | – | – |
| 200 A | 26000 $A^2s$ | 49 W | On req. | – | – | – | – | 3NE8225-0MK | – |
| 250 A | 59000 $A^2s$ | 52 W | On req. | – | – | – | – | 3NE8227-0MK | – |
| 315 A | 120000 $A^2s$ | 68 W | On req. | – | – | – | – | 3NE8230-0MK | – |
| 350 A | 83500 $A^2s$ | 68.6 W | On req. | – | – | – | – | – | 3NE8331-0MK |
| 400 A | 136000 $A^2s$ | 72.8 W | On req. | – | – | – | – | – | 3NE8332-0MK |
| 450 A | 207000 $A^2s$ | 80.1 W | On req. | – | – | – | – | – | 3NE8333-0MK |
| 500 A | 318000 $A^2s$ | 77.5 W | On req. | – | – | – | – | – | 3NE8334-0MK |
| 550 A | 399000 $A^2s$ | 86.4 W | On req. | – | – | – | – | – | 3NE8335-0MK |
| 630 A | 740000 $A^2s$ | 90.7 W | On req. | – | – | – | – | – | 3NE8336-0MK |
| **Further information** | | | | | | | | | |
| Catalog LV 10 | | | | For further currents for operational class gR, see page 7/44 | | – | For further currents for operational class gR, see page 7/44 | – | – |

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

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# SITOR LV HRC semiconductor fuses

## Operational class aR, with slotted blade contacts

| | | | | With 2 oblong slots Size 3 | With oblong and transverse slots Size 1 | | |
|---|---|---|---|---|---|---|---|
| | | | Screw fixing, mounting dimension | M10, 110 mm | M8, 80 mm | M10, 110 mm | |
| | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 500 V [1] | $U_n$ AC/DC 690/440 V | $U_n$ AC/DC 1000/– V [1] | 1000/600 V |
| 80 A | 3900 $A^2s$ | 42 W | On req. | – | – | – | – |
| 100 A | 3200 $A^2s$ | 25 W | On req. | – | 3NE8221-3MK | – | – |
| | 4800 $A^2s$ | 28 W | 0.95 | – | – | 3NE3221 | – |
| | 8700 $A^2s$ | 45 W | On req. | – | – | – | – |
| 125 A | 6000 $A^2s$ | 28 W | On req. | – | 3NE8222-3MK | – | – |
| | 7200 $A^2s$ | 36 W | 0.95 | – | – | 3NE3222 | – |
| | 11800 $A^2s$ | 59 W | On req. | – | – | – | – |
| 160 A | 10500 $A^2s$ | 35 W | On req. | – | 3NE8224-3MK | – | – |
| | 13000 $A^2s$ | 42 W | 1.0 | – | – | 3NE3224 | – |
| | 37000 $A^2s$ | 54 W | On req. | – | – | – | – |
| 200 A | 17500 $A^2s$ | 42 W | On req. | – | 3NE8225-3MK | – | – |
| | 30000 $A^2s$ | 42 W | 1.0 | – | – | 3NE3225 | – |
| | 70000 $A^2s$ | 56 W | On req. | – | – | – | – |
| 250 A | 28500 $A^2s$ | 53.5 W | On req. | – | 3NE8227-3MK | – | – |
| | 29700 $A^2s$ | 105 W | 0.85 | – | – | – | – |
| | 48000 $A^2s$ | 50 W | 1.0 | – | – | 3NE3227 | – |
| | 165000 $A^2s$ | 59 W | On req. | – | – | – | – |
| 315 A | 53500 $A^2s$ | 61 W | On req. | – | 3NE8230-3MK | – | – |
| | 60700 $A^2s$ | 120 W | 0.85 | – | – | – | – |
| | 80000 $A^2s$ | 60 W | 0.95 | – | – | 3NE3230-0B | – |
| | 250000 $A^2s$ | 76 W | On req. | – | – | – | – |
| | 300000 $A^2s$ | 245 W | On req. | – | – | – | – |
| 350 A | 66000 $A^2s$ | 69 W | On req. | – | 3NE8231-3MK | – | – |
| | 100000 $A^2s$ | 75 W | 0.95 | – | – | 3NE3231 | – |
| 400 A | 110000 $A^2s$ | 70.5 W | On req. | – | 3NE8232-3MK | – | – |
| | 135000 $A^2s$ | 80 W | 1.0 | – | – | – | – |
| | | 85 W | 0.9 | – | – | 3NE3232-0B | – |
| | 390000 $A^2s$ | 50 W | 0.85 | 3NC2432-0C | – | – | – |
| | 470000 $A^2s$ | 89 W | On req. | – | – | – | – |
| 450 A | 175000 $A^2s$ | 90 W | 1.0 | – | – | – | – |
| | | 95 W | 0.9 | – | – | 3NE3233 | – |
| | 180000 $A^2s$ | 71 W | On req. | – | 3NE8233-3MK | – | – |
| | 191000 $A^2s$ | 140 W | 0.85 | – | – | – | – |
| 500 A | 215000 $A^2s$ | 84 W | On req. | – | 3NE8234-3MK | – | – |
| | 260000 $A^2s$ | 90 W | 1.0 | – | – | – | – |
| | 276000 $A^2s$ | 155 W | 0.85 | – | – | – | – |
| | 500000 $A^2s$ | 105 W | On req. | – | – | – | 3NE3234-0MK08 |
| | 800000 $A^2s$ | 109 W | On req. | – | – | – | – |
| 550 A | 290000 $A^2s$ | 87 W | On req. | – | 3NE8235-3MK | – | – |
| | 700000 $A^2s$ | 110 W | On req. | – | – | – | 3NE3235-0MK08 |
| 560 A | 360000 $A^2s$ | 95 W | 1.0 | – | – | – | – |
| 630 A | 440000 $A^2s$ | 96 W | On req. | – | 3NE8236-3MK | – | – |
| | 600000 $A^2s$ | 100 W | 1.0 | – | – | – | – |
| | 850000 $A^2s$ | 127 W | On req. | – | – | – | 3NE3236-0MK08 |
| | 1100000 $A^2s$ | 163 W | On req. | – | – | – | – |
| 710 A | 800000 $A^2s$ | 105 W | 1.0 | – | – | – | – |
| | 923000 $A^2s$ | 155 W | 0.95 | – | – | – | – |
| 800 A | 850000 $A^2s$ | 130 W | 0.95 | – | – | – | – |
| 900 A | 920000 $A^2s$ | 165 W | 0.95 | – | – | – | – |
| **Further information** | | | | | | | |
| Catalog LV 10 | | | | For further currents for 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”



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**Size 2**

| M10, 110 mm | | | | | M10, 170 mm | M10, 190 mm | M12, 260 mm |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| $U_n$ AC/DC 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 | $U_n$ AC/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 | – | – | – | – | – | – | – |
| – | – | – | – | – | For further currents for operational class gR, see page 7/46 | – | – |

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# SITOR LV HRC semiconductor fuses

## Operational class aR, with slotted blade contacts

| | | | | With oblong and transverse slots<br>Size 3 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Screw fixing, mounting dimension | | | | M10, 110 mm | | M10, 130 mm | M10, 170 mm | M10, 210 mm | |
| | | | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC<br>500 V [1] | 600 V [1] | $U_n$ AC/DC<br>1000 V [1] | $U_n$ AC/DC<br>1500 V [1] | $U_n$ AC/DC<br>1500 V [1] | 2000 V [1] |
| 100 A | 13500 $A^2s$ | 25 W | 1.0 | – | – | 3NE3421-0C | – | – | – |
| 125 A | 34500 $A^2s$ | 78 W | 1.0 | – | – | – | – | – | – |
| 160 A | 54000 $A^2s$ | 56 W | 1.0 | – | – | – | – | 3NE5424-0C | – |
| 200 A | 138000 $A^2s$ | 75 W | 1.0 | – | – | – | – | – | 3NE7425-0U |
| 224 A | 54000 $A^2s$ | 85 W | 1.0 | – | – | 3NE3626-0C | – | – | – |
| | 138000 $A^2s$ | 80 W | 1.0 | – | – | – | – | 3NE5426-0C | – |
| 250 A | 84000 $A^2s$ | 130 W | 1.0 | – | – | – | 3NE5627-0C | – | – |
| | 218000 $A^2s$ | 110 W | 1.0 | – | – | – | – | – | 3NE7427-0U |
| 315 A | 72500 $A^2s$ | 80 W | 0.95 | – | – | – | – | – | – |
| | 218000 $A^2s$ | 80 W | 1.0 | – | – | 3NE3430-0C | – | – | – |
| | 311000 $A^2s$ | 115 W | 1.0 | – | – | – | – | 3NE5430-0C | – |
| 350 A | 428000 $A^2s$ | 135 W | 1.0 | – | – | – | – | 3NE5431-0C | – |
| | 555000 $A^2s$ | 120 W | 1.0 | – | – | – | – | – | 3NE7431-0U |
| 400 A | 163000 $A^2s$ | 95 W | 0.95 | – | – | – | – | – | – |
| | 364000 $A^2s$ | 110 W | 1.0 | – | – | 3NE3432-0C | – | – | – |
| | 390000 $A^2s$ | 50 W | 0.85 | 3NC2432-3C | – | – | – | – | – |
| | 620000 $A^2s$ | 205 W | 1.0 | – | – | – | – | – | – |
| | 870000 $A^2s$ | 150 W | 1.0 | – | – | – | – | – | 3NE7432-0U |
| 450 A | 488000 $A^2s$ | 110 W | 1.0 | – | – | 3NE3635-0C | – | – | – |
| | 590000 $A^2s$ | 160 W | 1.0 | – | – | – | 3NE5633-0C | – | – |
| | 870000 $A^2s$ | 145 W | 0.95 | – | – | – | – | 3NE5433-0C | – |
| | 960000 $A^2s$ | 160 W | 1.0 | – | – | – | – | – | 3NE7633-0U |
| 500 A | 290000 $A^2s$ | 115 W | 0.90 | – | – | – | – | – | – |
| | 870000 $A^2s$ | 95 W | 1.0 | – | – | 3NE3434-0C | – | – | – |
| | 1270000 $A^2s$ | 235 W | 1.0 | – | – | – | – | – | – |
| 525 A | 1120000 $A^2s$ | 210 W | 1.0 | – | – | – | – | – | – |
| 600 A | 1950000 $A^2s$ | 145 W | 1.0 | – | – | – | 3NE5643-0C | – | – |
| 630 A | 244000 $A^2s$ | 120 W | 0.85 | – | – | – | – | – | – |
| | 418000 $A^2s$ | 145 W | 0.85 | – | – | – | – | – | – |
| | 650000 $A^2s$ | 120 W | 0.95 | – | – | – | – | – | – |
| | 1280000 $A^2s$ | 132 W | 1.0 | – | – | 3NE3636-0C | – | – | – |
| | 1950000 $A^2s$ | 220 W | 1.0 | – | – | – | – | – | 3NE7636-0U |
| | 2800000 $A^2s$ | 275 W | 1.0 | – | – | – | – | – | – |
| 710 A | 346000 $A^2s$ | 130 W | 0.85 | – | – | – | – | – | – |
| | 569000 $A^2s$ | 150 W | 0.85 | – | – | – | – | – | – |
| | 1950000 $A^2s$ | 145 W | 1.0 | – | – | 3NE3637-0C | – | – | – |
| | 3110000 $A^2s$ | 275 W | 1.0 | – | – | – | – | – | – |
| 800 A | 498000 $A^2s$ | 135 W | 0.9 | – | – | – | – | – | – |
| | 819000 $A^2s$ | 155 W | 0.85 | – | – | – | – | – | – |
| | 985000 $A^2s$ | 145 W | 0.90 | – | – | – | – | – | – |
| 900 A | 677000 $A^2s$ | 145 W | 0.9 | – | – | – | – | – | – |
| | 1160000 $A^2s$ | 165 W | 0.9 | – | – | – | – | – | – |
| 1000 A | 975000 $A^2s$ | 155 W | 0.95 | – | – | – | – | – | – |
| | 1670000 $A^2s$ | 170 W | 0.9 | – | – | – | – | – | – |
| | 2480000 $A^2s$ | 140 W | 0.85 | – | 3NC8444-3C | – | – | – | – |
| 1100 A | 1382000 $A^2s$ | 165 W | 0.95 | – | – | – | – | – | – |
| | 1910000 $A^2s$ | 185 W | 0.9 | – | – | – | – | – | – |
| 1250 A | 1990000 $A^2s$ | 175 W | 0.95 | – | – | – | – | – | – |
| | 2600000 $A^2s$ | 210 W | 0.9 | – | – | – | – | – | – |
| 1400 A | 2100000 $A^2s$ | 200 W | 0.95 | – | – | – | – | – | – |
| 1600 A | 2860000 $A^2s$ | 240 W | 0.9 | – | – | – | – | – | – |
| **Further information** | | | | | | | | | |
| Catalog LV 10 | | | | For further currents for operational class gR, see page 7/46 | For further currents for 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”



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| M12, 80 mm | | M12, 110 mm | | | | M12, 140 mm | M12, 210 mm | | M12, 260 mm |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| $U_n$ AC/DC | | $U_n$ AC/DC | | | | $U_n$ AC/DC | $U_n$ AC/DC | | $U_n$ AC/DC |
| 500 V [1] | 690 V [1] | 800 V [1] | 1000 V [1] | 1100 V [1] | 1250 V [1] | 1000 V [1] | 1500 V [1] | 2000 V [1] | 2500 V [1] |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | 3NE9622-1C |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | | – | – | – | 3NC3430-1U | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | 3NC3432-1U | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | 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 | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – |

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# SITOR LV HRC semiconductor fuses

## Operational class aR, with female thread at both ends

| | | | | Size 3 | | |
|---|---|---|---|---|---|---|
| | | | Screw fixing, flange dimension | M10, 109 mm | M12, 52 mm | |
| | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC/DC 1000/– V | $U_n$ AC/DC 500/– V | 690/– V |
| 315 A | 72500 $A^2s$ | 80 W | 0.95 | – | – | – |
| 400 A | 163000 $A^2s$ | 95 W | 0.95 | – | – | – |
| 450 A | 488000 $A^2s$ | 110 W | 1.0 | 3NE3635-6 | – | – |
| 500 A | 290000 $A^2s$ | 115 W | 0.90 | – | – | – |
| 630 A | 244000 $A^2s$ | 125 W | 0.9 | – | – | 3NC3236-6U |
| | 418000 $A^2s$ | 130 W | 0.90 | – | – | – |
| | 650000 $A^2s$ | 120 W | 0.95 | – | – | – |
| 710 A | 346000 $A^2s$ | 130 W | 0.9 | – | – | 3NC3237-6U |
| | 569000 $A^2s$ | 140 W | 0.90 | – | – | – |
| 800 A | 498000 $A^2s$ | 135 W | 0.95 | – | – | 3NC3238-6U |
| | 819000 $A^2s$ | 150 W | 0.90 | – | – | – |
| | 985000 $A^2s$ | 145 W | 0.95 | – | – | – |
| 900 A | 677000 $A^2s$ | 140 W | 0.95 | – | – | 3NC3240-6U |
| | 1160000 $A^2s$ | 160 W | 0.95 | – | – | – |
| 1000 A | 975000 $A^2s$ | 145 W | 1.0 | – | – | 3NC3241-6U |
| | 1670000 $A^2s$ | 165 W | 0.95 | – | – | – |
| 1100 A | 1382000 $A^2s$ | 150 W | 1.0 | – | – | 3NC3242-6U |
| | 1910000 $A^2s$ | 175 W | 0.95 | – | – | – |
| 1250 A | 1990000 $A^2s$ | 155 W | 1.0 | – | – | 3NC3243-6U |
| | 2600000 $A^2s$ | 185 W | 0.95 | – | – | – |
| 1400 A | 2100000 $A^2s$ | 175 W | 1.0 | – | 3NC3244-6U | – |
| 1600 A | 2860000 $A^2s$ | 195 W | 0.95 | – | 3NC3245-6U | – |





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| M12, 73 mm | | M12, 73 mm | |
|---|---|---|---|
| | | | |
| $U_n$ AC/DC<br>800/– V | 1000/– V | $U_n$ AC/DC<br>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 | – | – | – |
| – | – | – | – |
| – | – | – | – |

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# SITOR LV HRC semiconductor fuses

## Operational class gR, special designs

| | | | | Without installation bracket | With installation bracket For SITOR 6QG11 thyristor sets |
|---|---|---|---|---|---|
| | | | Screw fixing, flange dimension | M10, 89 mm | |
| | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC 600 V | $U_n$ AC 1000 V |
| 50 A | 1100 $A^2s$ | 20 W | 0.85 | – | 3NE4117-5 |
| 850 A | 2480000 $A^2s$ | 85 W | 1.0 | 3NE9440-6 | – |

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## Operational class aR, special designs

| | | | | Without installation bracket For screwing onto water-cooled busbars | | | |
|---|---|---|---|---|---|---|---|
| | | | Flange dimension | 83 mm | | | |
| | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ AC 600 V | 900 V | $U_n$ AC 800 V | 1000 V |
| 100 A | 7400 $A^2s$ | 35 W | 0.85 | – | – | – | – |
| 170 A | 60500 $A^2s$ | 43 W | 0.85 | – | – | – | – |
| 200 A | 44000 $A^2s$ | 50 W | 0.85 | – | – | – | – |
| 250 A | 29700 $A^2s$ | 105 W | 0.85 | – | – | – | – |
| | 635000 $A^2s$ | 25 W | 0.9 | – | – | – | – |
| 315 A | 60700 $A^2s$ | 120 W | 0.85 | – | – | – | – |
| 350 A | 260000 $A^2s$ | 80 W | 0.9 | – | – | 3NC5531 | – |
| | 1430000 $A^2s$ | 32 W | 0.9 | – | – | – | – |
| 450 A | 191000 $A^2s$ | 140 W | 0.85 | – | – | – | – |
| | 395000 $A^2s$ | 90 W | 0.85 | – | – | – | – |
| 500 A | 276000 $A^2s$ | 155 W | 0.85 | – | – | – | – |
| 600 A | 888000 $A^2s$ | 150 W | 0.9 | – | – | – | 3NC5840 |
| 630 A | 888000 $A^2s$ | 145 W | 0.9 | – | – | 3NC5841 | – |
| 710 A | 620000 $A^2s$ | 150 W | 0.9 | – | 3NE6437-7 | – | – |
| | 923000 $A^2s$ | 155 W | 0.95 | – | – | – | – |
| 800 A | 1728000 $A^2s$ | 170 W | 0.9 | – | – | – | 3NC5838 |
| 900 A | 1920000 $A^2s$ | 170 W | 0.9 | – | – | – | – |
| 1250 A | 2480000 $A^2s$ | 210 W | 0.9 | 3NE9450-7 | – | – | – |

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| 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 | – | – | – | – | – |

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# SITOR LV HRC semiconductor fuses

## DC fuses, operational class gR, with slotted blade contacts

| | | | | Size 2L |
|---|---|---|---|---|
| | | | Screw fixing | M12 |
| | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | Varying load factor WL | $U_n$ DC 900 V |
| 400 A | 180000 $A^2s$ [1] | 75 W | – | 3NB1234-3KK20 |

[1] $I^2t$ at $U_{VSI}$ 1400 V is 240000 $A^2s$



## DC fuses, operational class aR, with slotted blade contacts

| | | | | Size 1L | Size 2L | Size 3L | Size 2 × 3L | Size 3 × 3L |
|---|---|---|---|---|---|---|---|---|
| | | | Screw fixing | M12 | M12 | M12 | M12 | M12 |
| | | | | | | | | |
| $I_n$ | Operating value $I^2t$ at $U_{VSI}$ 1500 V [2] | Power loss $P_v$ | Varying load factor WL | $U_n$ DC 1250 V | $U_n$ DC 1250 V | $U_n$ DC 1250 V | $U_n$ DC 1250 V | $U_n$ DC 1250 V |
| 200 A | 39000 $A^2s$ | 50 W | – | 3NB1126-4KK11 | – | – | – | – |
| 250 A | 80500 $A^2s$ | 51 W | – | 3NB1128-4KK11 | – | – | – | – |
| 315 A | 129000 $A^2s$ | 63 W | – | – | 3NB1231-4KK11 | – | – | – |
| 400 A | 290000 $A^2s$ | 68 W | – | – | 3NB1234-4KK11 | – | – | – |
| 500 A | 600000 $A^2s$ | 89 W | – | – | – | 3NB1337-4KK11 | – | – |
| 800 A | 1910000 $A^2s$ | 135 W | – | – | – | 3NB1345-4KK11 | – | – |
| 800 A | 1150000 $A^2s$ | 160 W | – | – | – | – | 3NB2345-4KK16 | – |
| 1000 A | 2250000 $A^2s$ | 195 W | – | – | – | – | 3NB2350-4KK16 | – |
| 1400 A | 5100000 $A^2s$ | 250 W | – | – | – | – | 3NB2355-4KK16 | – |
| 1600 A | 7450000 $A^2s$ | 275 W | – | – | – | – | 3NB2357-4KK16 | – |
| 2100 A | 1195000 $A^2s$ | 365 W | – | – | – | – | – | 3NB2364-4KK17 |
| 2400 A | 18100000 $A^2s$ | 445 W | – | – | – | – | – | 3NB2366-4KK17 |

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

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# SITOR cylindrical semiconductor fuses

## Cylindrical fuses, operational class gS

| | | | Size 22 × 127 mm |
|---|---|---|---|
| | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | $U_n$ AC/DC 1500/1000 V |
| 1 A | 2 $A^2s$ | 2 W | 3NC2301-0MK |
| 2 A | 4.4 $A^2s$ | 2.5 W | 3NC2302-0MK |
| 4 A | 55 $A^2s$ | 5.3 W | 3NC2304-0MK |
| 6 A | 150 $A^2s$ | 6.4 W | 3NC2306-0MK |
| 10 A | 540 $A^2s$ | 3.1 W | 3NC2310-0MK |
| 16 A | 1120 $A^2s$ | 4.7 W | 3NC2316-0MK |
| 20 A | 2850 $A^2s$ | 5.4 W | 3NC2320-0MK |
| 25 A | 3300 $A^2s$ | 6.9 W | 3NC2325-0MK |
| 32 A | 9050 $A^2s$ | 6.7 W | 3NC2332-0MK |
| **Further information** | | | |
| Catalog LV 10 | | | For further currents<br>for operational class gR, see page 7/60<br>Operational class aR, see page 7/62 |

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# SITOR semiconductor fuses

## Cylindrical fuses, operational class gR

| | | | Size 10 × 38 mm | | Size 14 × 51 mm | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | $U_n$ AC/DC 690/440 V | 690/250 V | $U_n$ AC/DC 690/700 V [1] | 690/600 V | 690/440 V | 690/250 V |
| 6 A | 3.5 A²s | 3.1 W | – | – | 3NC1406-0MK | – | – | – |
| | 6.5 A²s | 2.5 W | 3NC1006-0MK | – | – | – | – | – |
| 10 A | 15 A²s | 4.6 W | – | – | 3NC1410-0MK | – | – | – |
| | 17 A²s | 4.3 W | – | – | – | – | – | – |
| | 18 A²s | 3.3 W | 3NC1010-0MK | – | – | – | – | – |
| 12 A | 35 A²s | 4 W | 3NC1012-0MK | – | – | – | – | – |
| 16 A | 32 A²s | 6.7 W | – | – | – | 3NC1416-0MK | – | – |
| | 45 A²s | 6 W | 3NC1016-0MK | – | – | – | – | – |
| | 52 A²s | 4.4 W | – | – | – | – | – | – |
| 20 A | 68 A²s | 7.4 W | – | – | – | 3NC1420-0MK | – | – |
| | 90 A²s | 6.5 W | – | – | – | – | – | – |
| | 110 A²s | 7.8 W | – | 3NC1020-0MK | – | – | – | – |
| 25 A | 108 A²s | 8.4 W | – | – | – | 3NC1425-0MK | – | – |
| | 120 A²s | 9.5 W | – | – | – | – | – | – |
| | 140 A²s | 8.7 W | – | 3NC1025-0MK | – | – | – | – |
| | 160 A²s | 8.5 W | – | – | – | – | – | – |
| | 180 A²s | 8.1 W | – | – | – | – | – | – |
| 32 A | 175 A²s | 12.3 W | – | – | – | 3NC1432-0MK | – | – |
| | 220 A²s | 12.3 W | – | – | – | – | – | – |
| | 400 A²s | 8.9 W | – | – | – | – | – | – |
| | 420 A²s | 9 W | – | – | – | – | – | – |
| | 450 A²s | 12 W | – | 3NC1032-0MK | – | – | – | – |
| 40 A | 400 A²s | 14.8 W | – | – | – | – | – | – |
| | 470 A²s | 11.7 W | – | – | – | – | 3NC1440-0MK | – |
| | 600 A²s | 11 W | – | – | – | – | – | – |
| | 700 A²s | 12.5 W | – | – | – | – | – | – |
| | 18500 A²s | 9.4 W | – | – | – | – | – | – |
| 50 A | 830 A²s | 16.3 W | – | – | – | – | – | 3NC1450-0MK |
| | 980 A²s | 17.5 W | – | – | – | – | – | – |
| | 1250 A²s | 13.8 W | – | – | – | – | – | – |
| | 1250 A²s | 15.2 W | – | – | – | – | – | – |
| 63 A | 2050 A²s | 18.8 W | – | – | – | – | – | – |
| | 2400 A²s | 17.5 W | – | – | – | – | – | – |
| 80 A | 4400 A²s | 23 W | – | – | – | – | – | – |
| 100 A | 11500 A²s | 28.7 W | – | – | – | – | – | – |
| **Further information** | | | | | | | | |
| Catalog LV 10 | | | – | – | – | – | – | – |

[1] DC voltage according to UL

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| Size 22 × 58 mm | | | | Size 22 × 127 mm | With M8 bolt-on links<br>Size 18 × 88 mm | Size 26 × 103 mm |
|---|---|---|---|---|---|---|
| | | | | | | |
| $U_n$ AC/DC<br>690/700 V [1] | 690/600 V | 690/440 V | 690/250 V | $U_n$ AC/DC<br>1500/1000 V | $U_n$ AC/DC<br>690/440 V | $U_n$ AC/DC<br>690/440 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 | – | – | – |
| – | – | – | – | For further currents<br>for operational class gG, see page 7/59<br>Operational class aR, see page 7/62 | – | – |

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# SITOR semiconductor fuses

## Cylindrical fuses, operational class aR

| | | | Size 10 × 38 mm [1] | | Size 14 × 51 mm | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Standard | | | With striking pin |
| | | | | | | | | |
| $I_n$ | Operating value $I^2t$ | Power loss $P_v$ | $U_n$ AC/DC 600/700 V [2] | 600/– V | $U_n$ AC/DC 660/– V | 690/700 V [2] | 690/250 V | $U_n$ AC/DC 690/600 V [1] |
| 1 A | 1.2 $A^2s$ | 5 W | – | – | 3NC1401 | – | – | – |
| 2 A | 10 $A^2s$ | 3 W | – | – | 3NC1402 | – | – | – |
| 3 A | 8 $A^2s$ | 1.2 W | 3NC1003 | – | – | – | – | – |
| | 15 $A^2s$ | 2.5 W | – | – | 3NC1403 | – | – | – |
| 4 A | 25 $A^2s$ | 3 W | – | – | 3NC1404 | – | – | – |
| 5 A | 11 $A^2s$ | 1.5 W | – | – | – | 3NC1405 | – | – |
| 6 A | 11 $A^2s$ | 1.5 W | – | – | – | 3NC1406 | – | – |
| | 20 $A^2s$ | 1.5 W | 3NC1006 | – | – | – | – | – |
| 8 A | 30 $A^2s$ | 2 W | 3NC1008 | – | – | – | – | – |
| 10 A | 22 $A^2s$ | 4 W | – | – | – | 3NC1410 | – | – |
| | 32 $A^2s$ | 4 W | – | – | – | – | – | 3NC1410-5 |
| | 60 $A^2s$ | 2.5 W | 3NC1010 | – | – | – | – | – |
| 12 A | 110 $A^2s$ | 3 W | 3NC1012 | – | – | – | – | – |
| 15 A | 63 $A^2s$ | 5.5 W | – | – | – | – | – | 3NC1415-5 |
| | 70 $A^2s$ | 5.5 W | – | – | – | 3NC1415 | – | – |
| 16 A | 150 $A^2s$ | 3.5 W | 3NC1016 | – | – | – | – | – |
| 20 A | 100 $A^2s$ | 6 W | – | – | – | 3NC1420 | – | – |
| | 200 $A^2s$ | 4.8 W | 3NC1020 | – | – | – | – | – |
| | 220 $A^2s$ | 4.6 W | – | – | – | – | – | – |
| | 234 $A^2s$ | 6 W | – | – | – | – | – | 3NC1420-5 |
| | 240 $A^2s$ | 5 W | – | – | – | – | – | – |
| 25 A | 250 $A^2s$ | 6 W | 3NC1025 | – | – | – | – | – |
| | 300 $A^2s$ | 5.6 W | – | – | – | – | – | – |
| | 320 $A^2s$ | 7 W | – | – | – | 3NC1425 | – | – |
| | 350 $A^2s$ | 6 W | – | – | – | – | – | – |
| | 378 $A^2s$ | 7 W | – | – | – | – | – | 3NC1425-5 |
| 30 A | 400 $A^2s$ | 9 W | – | – | – | 3NC1430 | – | – |
| | 466 $A^2s$ | 9 W | – | – | – | – | – | 3NC1430-5 |
| 32 A | 450 $A^2s$ | 7 W | – | – | – | – | – | – |
| | 500 $A^2s$ | 7.5 W | – | 3NC1032 | – | – | – | – |
| | 500 $A^2s$ | 8 W | – | – | – | – | – | – |
| | 600 $A^2s$ | 7.6 W | – | – | – | 3NC1432 | – | 3NC1432-5 |
| 40 A | 700 $A^2s$ | 8.5 W | – | – | – | – | – | – |
| | 750 $A^2s$ | 8 W | – | – | – | 3NC1440 | – | 3NC1440-5 |
| | 800 $A^2s$ | 9 W | – | – | – | – | – | – |
| 50 A | 1350 $A^2s$ | 9.5 W | – | – | – | – | – | – |
| | 1500 $A^2s$ | 9.5 W | – | – | – | – | – | – |
| | 1800 $A^2s$ | 9 W | – | – | – | 3NC1450 | – | 3NC1450-5 |
| | 26000 $A^2s$ | 11.6 W | – | – | – | – | – | – |
| 63 A | 2100 $A^2s$ | 16.7 W | – | – | – | – | 3NC1463-0MK | – |
| | 2600 $A^2s$ | 11 W | – | – | – | – | – | – |
| | 3000 $A^2s$ | 11 W | – | – | – | – | – | – |
| 80 A | 3500 $A^2s$ | 22.5 W | – | – | – | – | – | – |
| | 5500 $A^2s$ | 13.5 W | – | – | – | – | – | – |
| | 6000 $A^2s$ | 13.5 W | – | – | – | – | – | – |
| 100 A | 5400 $A^2s$ | 31.5 W | – | – | – | – | – | – |
| | 8000 $A^2s$ | 16 W | – | – | – | – | – | – |
| | 8500 $A^2s$ | 16 W | – | – | – | – | – | – |
| 125 A | 11800 $A^2s$ | 39 W | – | – | – | – | – | – |
| | 29000 $A^2s$ | 35.3 W | – | – | – | – | – | – |
| **Further information** | | | | | | | | |
| Catalog LV 10 | | | – | – | – | – | – | – |

[1] Observe DC voltage acc. to UL, time constant and minimum breaking current MBC
[2] CCC approval

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| Size 22 × 58 mm | | | | Size 22 × 127 mm | Size 26 × 103 mm |
|---|---|---|---|---|---|
| Standard | | With striking pin | | | With M8 bolt-on links |
| | | | | | |
| $U_n$ AC/DC<br>690/700 V [2] | 690/250 V | $U_n$ AC/DC<br>600/500 V [1] | 690/500 V [1] | $U_n$ AC/DC<br>1500/1000 V | $U_n$ AC/DC<br>690/440 V |
| – | – | – | – | – | – |
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| – | – | – | – | – | – |
| 3NC2220 | – | – | – | – | – |
| – | – | – | – | – | – |
| – | – | – | 3NC2220-5 | – | – |
| – | – | – | – | – | – |
| 3NC2225 | – | – | – | – | – |
| – | – | – | – | – | – |
| – | – | – | 3NC2225-5 | – | – |
| – | – | – | – | – | – |
| – | – | – | – | – | – |
| – | – | – | – | – | – |
| 3NC2232 | – | – | – | – | – |
| – | – | – | – | – | – |
| – | – | – | 3NC2232-5 | – | – |
| – | – | – | – | – | – |
| 3NC2240 | – | – | – | – | – |
| – | – | – | – | – | – |
| – | – | – | 3NC2240-5 | – | – |
| 3NC2250 | – | – | – | – | – |
| – | – | – | 3NC2250-5 | – | – |
| – | – | – | – | – | – |
| – | – | – | – | 3NC2350-0MK | – |
| – | – | – | – | – | – |
| 3NC2263 | – | – | – | – | – |
| – | – | – | 3NC2263-5 | – | – |
| – | – | – | – | – | 3NC2680-0MK |
| 3NC2280 | – | – | – | – | – |
| – | – | – | 3NC2280-5 | – | – |
| – | – | – | – | – | 3NC2600-0MK |
| 3NC2200 | – | – | – | – | – |
| – | – | 3NC2200-5 | – | – | – |
| – | – | – | – | – | 3NC2611-0MK |
| – | 3NC2211-0MK | – | – | – | – |
| – | – | – | – | For further currents<br>for operational class gR, see page 7/60<br>Operational class gS see page 7/59 | – |

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# 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 | $U_n$ DC 1200 V | 1500 V |
| 2 A | 1.4 W | 0.6 W | 3NW6002-4 | – | – |
| | 2.7 W | 1.1 W | – | – | 3NW6604-4 |
| 4 A | 1.6 W | 0.7 W | 3NW6004-4 | – | – |
| | 3.0 W | 1.2 W | – | – | 3NW6601-4 |
| 6 A | 1.7 W | 0.7 W | 3NW6001-4 | – | – |
| | 3.6 W | 1.5 W | – | – | 3NW6608-4 |
| 8 A | 1.9 W | 0.8 W | 3NW6008-4 | – | – |
| | 3.7 W | 1.6 W | – | – | 3NW6603-4 |
| 10 A | 2.3 W | 1.0 W | 3NW6003-4 | – | – |
| | 3.3 W | 1.4 W | – | – | 3NW6606-4 |
| 12 A | 2.7 W | 1.1 W | 3NW6006-4 | – | – |
| | 3.7 W | 1.6 W | – | – | 3NW6605-4 |
| 16 A | 3.2 W | 1.3 W | 3NW6005-4 | – | – |
| | 4.0 W | 1.7 W | – | 3NW6607-4 | – |
| 20 A | 3.4 W | 1.4 W | 3NW6007-4 | – | – |

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





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# 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 | 3NW1006-0HG | – | – |
| 0.8 A | 8 / 10 A | 3NW1008-0HG | – | – |
| 1 A | – | 3NW1010-0HG | 3NW3010-0HG | 3NW2010-0HG |
| 1.5 A | 1 ½ A | 3NW1015-0HG | – | – |
| 2 A | – | 3NW1020-0HG | 3NW3020-0HG | 3NW2020-0HG |
| 2.5 A | – | 3NW1025-0HG | – | – |
| 3 A | – | 3NW1030-0HG | 3NW3030-0HG | 3NW2030-0HG |
| 4 A | – | 3NW1040-0HG | 3NW3040-0HG | 3NW2040-0HG |
| 5 A | – | 3NW1050-0HG | 3NW3050-0HG | 3NW2050-0HG |
| 6 A | – | 3NW1060-0HG | 3NW3060-0HG | 3NW2060-0HG |
| 7.5 A | – | 3NW1075-0HG | – | – |
| 8 A | – | 3NW1080-0HG | 3NW3080-0HG | 3NW2080-0HG |
| 10 A | – | 3NW1100-0HG | 3NW3100-0HG | 3NW2100-0HG |
| 12 A | – | – | 3NW3120-0HG | 3NW2120-0HG |
| 15 A | – | 3NW1150-0HG | 3NW3150-0HG | 3NW2150-0HG |
| 20 A | – | 3NW1200-0HG | 3NW3200-0HG | 3NW2200-0HG |
| 25 A | – | 3NW1250-0HG | 3NW3250-0HG | 3NW2250-0HG |
| 30 A | – | 3NW1300-0HG | 3NW3300-0HG | 3NW2300-0HG |

[1] American English wording



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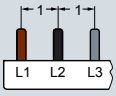
# Busbars

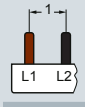
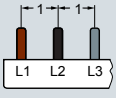
## According to IEC and UL, can be cut

### Pin spacing 1 MW

| Pin spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | |
|---|---|---|---|---|---|
| **Single-phase** | | | | | **Article No.** |
| | For MINIZED D01 fuse switch disconnectors | 220 mm | With end caps | 16 mm² | 5ST2186 |
| | | 1000 mm | Without end caps | 16 mm² | 5ST2190 |
| **Single-phase, angled** | | | | | **Article No.** |
| | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm<br>For SITOR cylindrical fuse holders 10 × 38 mm<br>For Class CC fuse holders | 214 mm | With end caps | 16 mm² | 5ST3700 |
| | | 1016 mm | Without end caps | 16 mm² | 5ST3701 |
| **Two-phase** | | | | | **Article No.** |
| | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm<br>For SITOR cylindrical fuse holders 10 × 38 mm<br>For Class CC fuse holders | 214 mm | With end caps | 16 mm² | 5ST3704 |
| | | 1016 mm | Without end caps | 16 mm² | 5ST3705 |
| | For MINIZED D01 fuse switch disconnectors | 220 mm | With end caps | 16 mm² | 5ST2187 |
| | | 1000 mm | Without end caps | 16 mm² | 5ST2191 |
| **Three-phase** | | | | | **Article No.** |
|  | For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm<br>For SITOR cylindrical fuse holders 10 × 38 mm<br>For Class CC fuse holders | 214 mm | With end caps | 16 mm² | 5ST3708 |
| | | 1016 mm | Without end caps | 16 mm² | 5ST3710 |
| | For MINIZED D01 fuse switch disconnectors | 220 mm | With end caps | 16 mm² | 5ST2188 |
| | | 1000 mm | Without end caps | 16 mm² | 5ST2192 |

## 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 | |
|---|---|---|---|---|---|
| **Single-phase** | | | | | **Article No.** |
| | For Class CC fuse holders 10 × 38 mm (3NC1091, 3NW7513-0HG) | 1000 mm | Without end caps | 18 mm² | 5ST3701-0HG |
| **Two-phase** | | | | | **Article No.** |
|  | For Class CC fuse holders 10 × 38 mm (3NC1092, 3NW7523-0HG) | 1000 mm | Without end caps | 18 mm² | 5ST3705-0HG |
| **Three-phase** | | | | | **Article No.** |
|  | For Class CC fuse holders 10 × 38 mm (3NC1093, 3NW7533-0HG) | 1000 mm | Without end caps | 18 mm² | 5ST3710-0HG |

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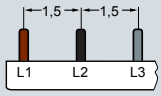
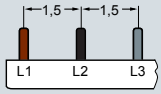
# According to IEC and UL, can be cut

## Pin spacing 1.5 MW

| Pin spacing in MW (1 MW = 18 mm) | Application | Length | Version | Conductor cross-section | |
|---|---|---|---|---|---|
| **Single-phase** | | | | | **Article No.** |
| | For NEOZED D01 / D02 fuse bases made of molded plastic 5SG1.30, 5SG1.31, 5SG5.30<br>For NEOZED D01 / D02 fuse bases made of ceramic with clamp-type terminals and screw head contacts | 1000 mm | Without end caps, non-insulated | 36 mm² | 5SH5322 |
| | | | Without end caps | 24 mm² | 5SH5517 |
| **Single-phase, angled** | | | | | **Article No.** |
| | For MINIZED D02 switch disconnectors 5SG71.3<br>For NEOZED D01 / D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG5301, 5SG5701, 5SG1302, 5SG1702, 5SG5302, 5SG5702<br>For NEOZED D01 / D02 fuse bases made of ceramic with saddle terminals<br>For cylindrical fuse holders 14 × 51 mm<br>For SITOR cylindrical fuse holders 14 × 51 mm | 1016 mm | Without end caps | 16 mm² | 5ST3703 |
| | | | | | |
| **Three-phase** | | | | | **Article No.** |
|  | For MINIZED D02 switch disconnectors 5SG71.3<br>For NEOZED D01 / D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG5301, 5SG5701, 5SG1302, 5SG1702, 5SG5302, 5SG5702<br>For NEOZED D01 / D02 fuse bases made of ceramic with saddle terminals<br>For cylindrical fuse holders 14 × 51 mm<br>For SITOR cylindrical fuse holders 14 × 51 mm | 1016 mm | Without end caps | 16 mm² | 5ST3714 |
| | For NEOZED D01 / D02 fuse bases made of molded plastic 5SG1.30, 5SG1.31, 5SG5.30<br>For NEOZED D01 / D02 fuse bases made of ceramic with clamp-type terminals and screw head contacts | 1000 mm | Without end caps | 16 mm² | 5SH5320 |

# 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 | |
|---|---|---|---|---|---|
| **1-phase** | | | | | **Article No.** |
| | For fuse holders 14 × 51 mm (3NC1491, 3NW7111) | 1000 mm | Without end caps | 18 mm² | 5ST3703-0HG |
| | | | | 25 mm² | 5ST3701-2HG |
| **Two-phase** | | | | | |
| | For fuse holders 14 × 51 mm (3NC1492, 3NW7121) | 1000 mm | Without end caps | 25 mm² | 5ST3705-2HG |
| **3-phase** | | | | | **Article No.** |
|  | For fuse holders 14 × 51 mm (3NC1493, 3NW7131) | 1000 mm | Without end caps | 18 mm² | 5ST3714-0HG |
| | | | | 25 mm² | 5ST3710-2HG |



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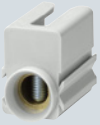
# Busbars

## Accessories

### For busbars according to IEC

#### Terminals

- For NEOZED D01 / D02 fuse bases made of ceramic
- For DIAZED DII / DIII fuse bases made of ceramic

| Terminal version | Conductor cross-section | Article No. |
|---|---|---|
| Terminal version S | 2 ... 25 mm² | 5SH5327 |
| Terminal versions B and K | 6 ... 25 mm² | 5SH5328 |
|  For the infeed of fork-type or pin busbars | 6 ... 35 mm² | 5ST2157 |

#### Bus-mounting terminal

- For DIAZED EZR bus-mounting bases
- Non-insulated

| Conductor cross-section | Article No. |
|---|---|
| 1.5 ... 16 mm² | 8JH4122 |
| 10 ... 35 mm² | 8JH4124 |

#### Touch protection

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

| Article No. |
|---|
| 5ST3655 |

#### End caps

| Version | For bar type | Article No. |
|---|---|---|
| For single-phase busbars | 5ST2190 | 5ST2196 |
| | 5ST37 and 5SH55 | 5ST3748 |
|  For two-phase and three-phase busbars | 5ST2191 and 5ST2192 | 5ST2197 |
| | 5ST37 and 5SH5320 | 5ST3750 |

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## For busbars according to UL 508

### Terminals according to UL 508

| | Version | Infeed | Article No. |
|---|---|---|---|
| | For busbars 35 mm² | Device | 5ST3770-0HG |
| | For busbars 30 mm² | 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 single-phase busbars | 5ST3748-0HG |
|  | For two- and three-phase busbars | 5ST3750-0HG |

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# LV HRC signal detectors, electronic fuse monitoring

## LV HRC signal detectors

- Only for SIEMENS LV HRC fuse links 3NA3, 3NA7, 3ND 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 termination 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 HRC fuse links 3NA3, 3NA7, 3ND 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 termination 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 |





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