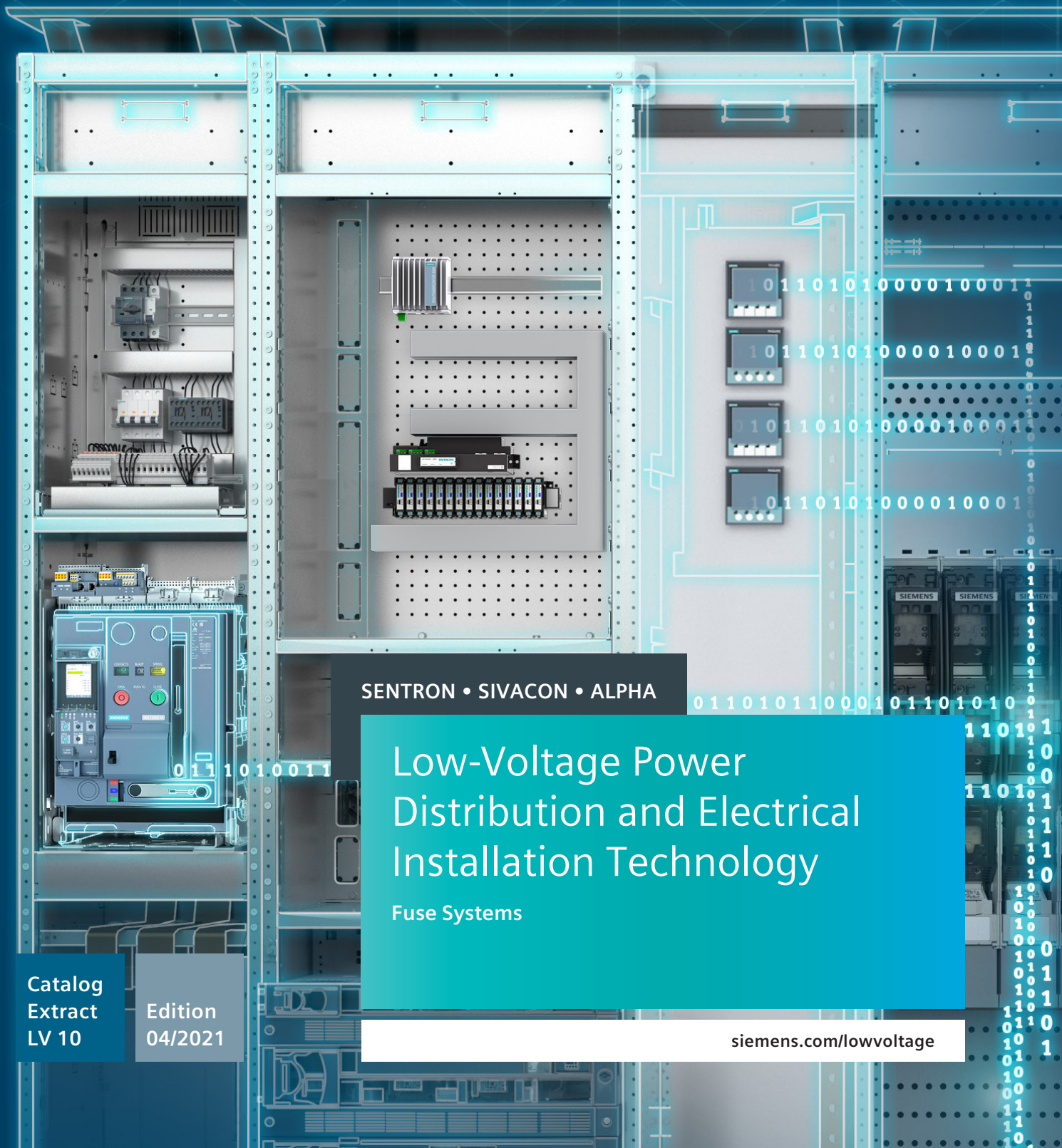
© Siemens 2021

SIEMENS



SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Fuse Systems

Catalog Extract LV 10

Edition 04/2021

siemens.com/lowvoltage

© Siemens 2021

Making sure power makes its way

Consistent, safe and intelligent low-voltage power distribution and electrical installation technology

Whether industries, infrastructures or buildings: Each environment depends on a reliable power supply.

Which is why products and systems featuring maximum safety and optimum efficiency are in demand. This comprehensive portfolio for low-voltage power distribution and electrical installation technology covers every requirement – from the switchboard to the socket outlet.

We are there when you need us

Your personal contact can be found at
www.siemens.com/lowvoltage/contact

Catalog LV 10 · 04/2021

You will find the latest edition and all future editions in the Siemens Industry Online Support at
www.siemens.com/lowvoltage/catalogs

Refer to the Industry Mall for current prices
www.siemens.com/industrymall

The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with DIN EN ISO 9001:2008.

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

All illustrations are not binding.

© Siemens 2021

© Siemens 2021

Low-Voltage Power Distribution and Electrical Installation Technology

	Introduction	I/2
Protecting	Air Circuit Breakers	1/1
	Molded Case Circuit Breakers	2/1
	Miniature Circuit Breakers	3/1
	Residual Current Protective Devices / Arc Fault Detection Devices (AFDDs)	4/1
	Switching Devices	5/1
	Overvoltage Protection Devices	6/1
	Fuse Systems	7/1
Protecting, Switching and Isolating	Switch Disconnectors	8/1
Switching and Isolating	Transfer Switching Equipment and Load Transfer Switches	9/1
Measuring and Monitoring	Measuring Devices, Power Monitoring and Digitalization Solutions	10/1
	Monitoring Devices	11/1
Distribution	Transformers, Power Supply Units and Socket Outlets	12/1
	Busbar Systems	13/1
	Terminal Blocks	14/1
	Power Distribution Boards, Motor Control Centers and Distribution Boards	15/1
	Busbar Trunking Systems	16/1
	System Cubicles, System Lighting and System Air-Conditioning	17/1
	Appendix	A/1

© Siemens 2021

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.

© Siemens 2021

Fuse Systems

All the information you need 7/2

System overview 7/4

Overview of fuse systems 7/6

Fuse holders and bases 7/8

- Overview 7/8
- MINIZED fuse switch disconnectors 7/12
- MINIZED switch disconnectors with fuses 7/13
- NEOZED bus-mounting switch disconnectors with fuses 7/14
- NEOZED fuse bases 7/16
- DIAZED fuse bases 7/18
- Bus-mounting bases for 8US busbar systems 7/20
- Photovoltaic cumulative fuse bases 7/21
- LV HRC fuse bases 7/22
- Cylindrical fuse holders 7/24
- Fuse holders and bases for SITOR semiconductor fuses 7/25
- Photovoltaic cylindrical fuse holders 7/26
- Class J fuse holders 7/27
- Class CC fuse holders 7/28

Fuse links 7/30

- Overview of fuse links 7/30
- NEOZED fuse links 7/32
- DIAZED fuse links 7/33
- SILIZED fuse links 7/34
- Photovoltaic cumulative fuse links 7/35
- LV HRC fuse links 7/36
- 3NA COM LV HRC fuse links with communication and metering function new 7/42
- Cylindrical fuse links 7/44
- SITOR semiconductor fuse links (LV HRC design) 7/46
- SITOR semiconductor fuses (cylindrical fuse design) 7/63
- Photovoltaic cylindrical fuse links 7/68
- Class CC fuse links 7/69

Accessories 7/70

- Busbars 7/70
- LV HRC signal detectors, electronic fuse monitoring 7/76

© Siemens 2021

A multitude of additional information ...

Information + ordering

All the important things at a glance

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

Your product in detail

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

- Technology primer – Fuse systems (109482303)

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

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

Siemens YouTube channel

- Siemens fuse systems bit.ly/2kWaepz

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Fuse systems sie.ag/2kW3pnU

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

Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your SITOR semiconductor fuse at
www.siemens.com/lowvoltage/sitor-configurator

The fast track to the experts

Contact persons in your region

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

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

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

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

© Siemens 2021

... can be found in our online services

Commissioning + operation

Your product in detail

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

- Operating instructions
- Characteristic curves
- Certificates

Comprehensive mobile support via the Siemens Industry Online Support app available for download from the App Store and Play Store
You will find further information under:
www.siemens.com/support-app

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

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

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

Manuals

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

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

Technical overview – Fuse systems

The fast way to get you to our online services

This page provides you with comprehensive information and links on fuse systems
www.siemens.com/lowvoltage/product-support (109769085)

© Siemens 2021

System overview

Fuse holders and bases

IEC fuse holders and bases

MINIZED

NEOZED

DIAZED

Bus-mounting bases for busbars

Photovoltaic cumulative fuses

IEC/UL fuse holders and bases

LV HRC fuses

Cylindrical fuses

SITOR semiconductor fuses (LV HRC design)

SITOR semiconductor fuses (cylindrical fuse design)

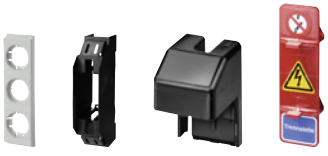
Photovoltaic cylindrical fuses

UL fuse holders and bases

Class CC

Class J

Accessories for fuse holders and bases


Covers

Screw caps

Adapter sleeves

Isolating blades

LV HRC signal detectors

Busbars and accessories

Can be cut

Terminals

Touch protection

End caps

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

© Siemens 2021

Fuse links

IEC fuse links

NEOZED

DIAZED

LV HRC

LV HRC
(3NA COM) new

Cylindrical fuses

SILIZED

Photovoltaic cumulative fuses

Photovoltaic cylindrical fuses

IEC/UL fuse links

SITOR semiconductor fuses
(LV HRC design)

SITOR semiconductor fuses
(cylindrical fuse design)

UL fuse links

Class CC

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

© Siemens 2021

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, gFF)	■	■
Motor protection (aM)	–	–
Power semiconductor (aR, gR, gS)	■	■
Photovoltaic protection (gPV)	–	–
Battery protection (aR, gR, gBAT)	–	–
Type	5SE	5SA, 5SB, 5SC, 5SD
More information	See page 7/32 See page 7/34	See page 7/33 See page 7/34

7

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

System overview, see page 8/80, 8/124

	Floor fixation	Standard mounting rail	Busbar	Type	Stand-ard	More information		
Fuse switch disconnectors	■	■	■	3NP1	IEC / UL	See page 8/92	–	–
	■	–	■	3NP5	IEC / UL	See page 8/94	–	–
	–	■	■	5SG76	IEC	See page 8/110	■	–
	–	–	■	3NJ4	IEC	See page 8/98	–	–
Switch disconnector with fuse	■	■	–	3KF LV HRC	IEC	See page 8/124	–	–
	■	■	–	3KF SITOR	IEC / UL	See page 8/124	–	–
	–	–	■	3NJ62	IEC	See page 8/132	–	–
	–	■	■	5SG71	IEC	See page 8/140	■	–

System overview, page 7/4

© Siemens 2021

Overview, see page 7/30

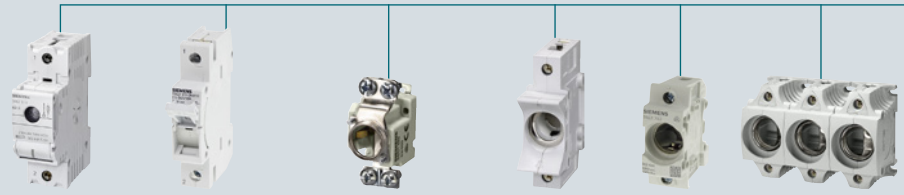
IEC	IEC	IEC	IEC / UL	IEC / UL	IEC	UL
2 ... 1250 A	80 ... 315 A	0.5 ... 100 A	2 ... 2400 A	1 ... 125 A	2 ... 630 A	0.5 ... 30 A
400 ... 690 V	400 V	400 ... 690 V	500 ... 2500 V	600 ... 1500 V	–	600 V
250 ... 400 V	250 V	–	440 ... 3000 V	250 ... 1000 V	1000 ... 1500 V	150 ... 300 V
LV HRC	LV HRC	Cylindrical	SITOR LV HRC	SITOR cylindrical	Photovoltaic	Class CC
■	■	■	–	–	–	■
■	–	■	–	–	–	■
–	–	–	■	■	–	–
–	–	–	–	–	■	–
–	–	–	■	■	–	–
3NA, 3ND	3NA,	3NW6, 3NW8	3NE, 3NC	3NC10	3NE..., 3NW...	3NW1, 3NW2, 3NW3
See page 7/36	See page 7/36	See page 7/12	See page 7/46	See page 7/63	See page 7/35 See page 7/68	See page 7/69
–	–	–	–	–	–	–
–	–	–	–	–	–	–
■	■	–	■	–	–	–
–	–	–	–	–	■	–
–	–	■	–	–	–	■
–	–	–	–	■	–	–
–	–	–	–	–	■	–
■	■	–	■	–	–	–
■	■	–	■	–	–	–
–	–	–	–	–	–	–
■	■	–	–	–	–	–
■	■	–	(■)	–	–	–
–	–	–	■	–	–	–
■	■	–	–	–	–	–
–	–	–	–	–	–	–

System overview, page 7/4

© Siemens 2021

Overview of fuse holders, bases and D0 fuse switching devices

IEC



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

[1] Extended rated voltage up to 1000 V

System overview, page 7/4

© Siemens 2021

IEC

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

System overview, page 7/4

© Siemens 2021

Overview of fuse holders, bases and D0 fuse switching devices

IEC / UL

			LV HRC fuse bases					Fuse holders for SITOR semiconductor fuses (cylindrical fuse design)			
Basic data											
Size / for fuses of size			000/00	0	1	2	3	10 × 38 mm	14 × 51 mm	22 × 58 mm	22 × 127 mm
Variant [2]			3NH3030 3NH4030	3NH3120	3NH3220 3NH3230 3NH4230	3NH3320 3NH3330	3NH3420 3NH3430	3NC10	3NC14	3NC22	3NC23
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	IEC 60269-2, IEC 60947-3
Approvals			KEMA, UL file number E171267-IZLT2					UL 4248-1; UL File number 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	1500
	U_n acc. to UL	V AC	690	690	1000	1000	1000	600	600	600	–
	U_n acc. to CSA	V AC	600	600	600	600	600	–	–	–	–
Rated insulation voltage		V AC	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA AC	–	–	–	–	–	50	50 (100 at 400 V)	50 (100 at 500 V)	30
Rated current	I_n	A	160	160	250	400	630	32	50	100	63
	I_n acc. to UL	A	160	160	250	–	500	30	50	80	–
	I_n acc. to CSA	A	160	160	250	–	850	30	40	80	–
Rated impulse withstand voltage		kV AC	–	–	–	–	–	6	6	6	–
Utilization category	Acc. to VDE 0638	A	–	–	–	–	–	–	–	–	–
	Acc. to EN 60947-3	A	–	–	–	–	–	AC-22B (400 V)	AC-22B (400 V)	AC-20B (690 V)	AC-20B
Technical specifications DC											
Rated voltage	U_n	V DC	250	440	440	440	440	800			1000
	U_n acc. to UL	V DC	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA DC	25	25	25	25	25	–	–	–	50
Utilization category	Acc. to EN 60947-3	A	–	–	–	–	–	–	–	–	DC-20B
Further technical specifications											
Overvoltage category			–	–	–	–	–	–	–	–	–
Max. power dissipation of fuse links (conductor cross-section used)		W	12	25	32	45	60	3 (6 mm²), 4.3 (10 mm²)	5 (10 mm²), 6.5 (25 mm²)	9.5 (35 mm²), 11 (50 mm²)	15 (1 ... 50 mm²)
Pollution degree			–	–	–	–	–	2	2	2	–
Further information											
			See page 7/22					See page 7/60			

[1] Extended rated voltage up to 1000 V
[2] Versions with UL approval and versions with CSA approval may differ

System overview, page 7/4

© Siemens 2021

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.. 3NW703.-1	3NW71..	3NW70..-4	3NW76..-4	3NW75.3-0HG 3NW753.-1HG	3NW75.3-3HG, 3NW75.3-5HG, 3NW75.3-6HG, 3NW75.3-7HG, 3NW75.3-8HG, 3NW7431-6HG, 3NW7431-7HG, 3NW7431-8HG				
IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1		IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	UL 4248-1; CSA C22.2	UL 4248-1 Ed.1, UL 4248-8 Ed.1				
UL File number E171267		(File number E469670, CCC) (variants without signal detector)	(E355487)	UL 4248-1; UL File number E171267; CSA C22.2	UL File number E171267; CSA File number 233322; Class number 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
–	–	–	–	–	–	–	–	–	–
DC-20B (switching without load)		–	–	DC-20B (switching without load)	DC-20B (switching without load)				
–		II	–	II	No information as the devices are only tested and certified to UL/CSA and not to IEC				
–		4	6	3 (6 mm²), 4.3 (10 mm²)	–				
–		2	–	2	No information as the devices are only tested and certified to UL/CSA and not to IEC				
See page 7/24		See page 7/28		See page 7/30	See page 7/29				

System overview, page 7/4

© Siemens 2021

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

Note:
NEOZED adapter sleeves are not required for these devices

Quick selection guide, page 7/8

© Siemens 2021

MINIZED switch disconnectors with fuses

	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

Note:
NEOZED adapter sleeves are required for these devices, see page 7/16

Accessories

Reducers

Use	Article No.
For D01 fuse links in MINIZED switch disconnectors with fuses D02	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

Quick selection guide, page 7/8

© Siemens 2021

NEOZED bus-mounting switch disconnectors with fuses

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 [1]	–	400 V AC	–	–	IEC	5SG7234-1	–	5SG7234-2
	63 A [2]	–	400 V AC	110 V DC	–	IEC	–	5SG7230	–

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

7

Suitable accessories

Auxiliary switches

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

Contacts	Mounting width	Article No.	Article No.	Article No.
1 CO 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

See SITOR semiconductor fuse links (cylindrical fuse design) **from page 13/1**

System overview, page 7/4

© Siemens 2021

© Siemens 2021

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	3P
Size	**Rated current**						
D01	16 A	5SG1301	5SG5301	5SG1302	5SG5302	5SG1302-1	5SG5302-1
D02	63 A	5SG1701	5SG5701	5SG1702	5SG5702	5SG1702-1	5SG5702-1
D03	100 A	–	–	–	–	–	–

Accessories

NEOZED screw caps

Material	Version	Fuse size	Article No.
Molded plastic	With inspection hole	D01	5SH4116
		D02	5SH4163
Ceramic	Without inspection hole, sealable	D01	5SH4316
		D02	5SH4363
	Without inspection hole	D03	5SH4100
	With inspection hole	D01	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
D02	20 A	Blue	5SH5020
	25 A	Yellow	5SH5025
	32 A	Violet	5SH5032
	35/40 A	Black	5SH5035
	50 A	White	5SH5050
D03	80 A	Silver	5SH5080
D01 fuse links in D02 base and MINIZED switch disconnectors with fuses D02	2 A	Pink	5SH5402
	4 A	Brown	5SH5404
	6 A	Green	5SH5406
	10/13 A	Red	5SH5410
	16 A	Gray	5SH5416

Quick selection guide, page 7/8

© Siemens 2021

Fuse bases made of ceramic					
With clamp-type terminal, on both sides		With saddle terminal, on both sides		With screw head contact at incoming feeder, clamp-type terminal at outgoing feeder	
1P	3P	1P	3P	1P	3P
5SG1553	5SG5553	–	–	–	–
–	–	5SG1653	5SG5653	5SG1693	5SG5693
–	–	–	–	5SG1812	–

NEOZED covers

	Fuse size	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

Quick selection guide, page 7/8

© Siemens 2021

DIAZED fuse bases

		Fuse bases made of molded plastic With box terminal		Fuse bases made of ceramic With clamp-type terminal, on both sides	With clamp-type terminal at incoming feeder, saddle terminal at outgoing feeder
	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.

7

Accessories

DIAZED screw caps

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

DIAZED screw adapters

- Also for 5SF230 up to 750 V

	Fuse size	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

Quick selection guide, page 7/8

© Siemens 2021

With screw head contact, on both sides
1P
U_n AC/DC 750/750 V
–
5SF4230

DIAZED reduction 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

Quick selection guide, page 7/8

© Siemens 2021

Bus-mounting bases

For 8US busbar systems

				60 mm 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 cover**	**Standard**	**With touch protection cover**	**Standard**	**With touch protection cover**
D02	63 A	1.5 MW		–	5SG6202	5SG6206	–	–
		2 MW		5SG6208	–	5SG6207	–	–
DII	25 A		500/500 V	–	–	–	5SF6015	5SF6020
DIII	63 A		500/500 V [1]	–	–	–	5SF6215	5SF6220

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

Note:
NEOZED adapter sleeves and DIAZED screw adapters as well as the respective screw caps are required, see page 7/16 and 7/18

7

Accessories

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

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

Quick selection guide, page 7/8

© Siemens 2021

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	–	3NH7262-4KK01
1L	250 A	1000 V	–	3NH7260-4	–
2L	400 A	1000 V	–	3NH7360-4	3NH7360-4KK01
3L	630 A	1000 / 1500 V	–	3NH7460-4	–
1XL	250 A	1500 V	–	3NH7261-4	–
2XL	400 A	1500 V	–	3NH7361-4	–

Accessories

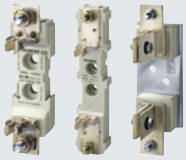
Terminal covers for PV fuse bases with swiveling mechanism

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

Quick selection guide, page 7/8

© Siemens 2021

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!

7

Accessories

LV HRC protective covers for LV HRC fuse bases

- As touch protection for contact pieces

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

LV HRC partitions for LV HRC fuse bases

- As intermediate phase and end barrier

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

LV HRC protective covers

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

Grip lug cover for plugging into the LV HRC protective cover

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

Quick selection guide, page 7/8 and 7/10

© Siemens 2021

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

7

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

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

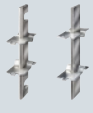
Size	Article No.
000/00	3NX1003
1, 2, 3	3NX1004

Fuse pullers for LV HRC fuse links

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

Isolating blades for LV HRC fuse bases and fuse switch disconnectors

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



Quick selection guide, page 7/8 and 7/10

© Siemens 2021

Cylindrical fuse holders

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

Note:
Semiconductor fuses heat up substantially more than standard fuses of operational classes gG and aM.
We therefore recommend only using SITOR cylindrical fuses in the intended SITOR fuse holders and complying with the maximum permissible current-carrying capacity.

Accessories

Auxiliary switches for cylindrical fuse holders, standard

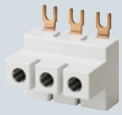
- For retrofitting using the factory-fitted brackets

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

Busbars for cylindrical fuse holders, compact

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

Terminals for cylindrical fuse holders, compact



Version	Article No.
For conductor cross-sections 2.5 ... 35 mm²	5ST2600

See SITOR semiconductor fuse links (cylindrical fuse design) **from page 13/1**

Quick selection guide, page 7/8 and 7/10

© Siemens 2021

Fuse holders and bases for SITOR semiconductor fuses

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

For cylindrical fuses

		Cylindrical fuse holders, can be used as fuse switch disconnectors			
	Number of poles	**1P**		**2P**	**3P**
For fuses of size	**Rated voltage AC / DC**		**With signaling switch**		
10 × 38 mm	600 / – V	–	–	–	–
	690 / 800 V	3NC1091	–	3NC1092	3NC1093
14 × 51 mm	690 / 800 V	3NC1491	3NC1491-5	3NC1492	3NC1493
22 × 58 mm	690 / 800 V	3NC2291	3NC2291-5	3NC2292	3NC2293
22 × 127 mm	1500 / 1000 V	3NC2391-0MK	–	3NC2392-0MK	3NC2393-0MK

Note:
Please comply with the maximum permissible current-carrying capacity.

Accessories

Fuse tongs

For fuses of size	Article No.
10 × 38 mm 14 × 51 mm 22 × 58 mm	3NC1000

Quick selection guide, page 7/10

© Siemens 2021

Photovoltaic cylindrical fuse holders

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

7

Quick selection guide, page 7/10

© Siemens 2021

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
For fuses of size	**Rated current**	**Rated voltage**							
21 × 57 mm	30 A	600 V	3NW7511-3HG	3NW7521-3HG	3NW7531-3HG	–	–	–	–
27 × 60 mm	60 A	600 V	3NW7511-5HG	3NW7521-5HG	3NW7531-5HG	–	–	–	–
28 × 118 mm	100 A	600 V	–	–	–	3NW7531-6HG	3NW7431-6HG	–	–
41 × 146 mm	200 A	600 V	–	–	–	3NW7531-7HG	–	3NW7431-7HG	–
54 × 181 mm	400 A	600 V	–	–	–	3NW7531-8HG	–	–	3NW7431-8HG

7

Quick selection guide, page 7/10

© Siemens 2021

Class CC fuse holders

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

Accessories for standard Class CC fuse holders, see busbar systems from page 13/1

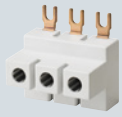
Accessories

7

Busbars for Class CC 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 Class CC fuse holders, compact



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

Quick selection guide, page 7/10

© Siemens 2021

Quick selection guide, page 7/10

© Siemens 2021

Overview of fuse links

IEC

		NEOZED fuse links	DIAZED fuse links	SILIZED fuse links	LV HRC fuse links	3NA COM LV HRC fuse links [1]
Basic data						
Design		NEOZED	DIAZED	NEOZED, DIAZED	LV HRC	LV HRC
Size / for fuses of size		D01, D02, D03	NDz, DII, DIII	D01, D02, DII, DIII, DIV	000/00, 0, 1, 2, 3, 4, 4a	2
Operational class		gG	gG	gR	gG, aM	gG, gFF
Rated current	A	2 ... 100	2 ... 100	10 ... 100	2 ... 1250	80 ... 315
Standards						
Standard		IEC 60269-3 DIN VDE 0636-3	IEC 60269-3 DIN VDE 0635 DIN VDE 0636-3 CEE 16	IEC 60269-3 / -4 DIN VDE 0636-3 EN 60269-4 (VDE 0636-4)	IEC 60269-1 / -2 EN 60269-1 / -2 DIN VDE 0636-1 / -2	IEC 60269-1 / -2 EN 60269-1 / -2 DIN VDE 0636-1 / -2
Approvals		–	–	–	CSA 22.2	VDE, KEMA
Technical specifications AC						
Rated voltage AC	V	400	500 ... 750	400 ... 500	400 ... 690 600 (CSA)	400
Rated breaking capacity AC	kA	50	50	50	120	100
Technical specifications DC						
Rated voltage DC	V	250	500 ... 750	250 ... 500	250 ... 440	–
Rated breaking capacity DC	kA	8	8	8	25	–
Further information						
		See page 7/4	See page 7/4	See page 7/5	See page 7/42	See page 7/42

[1] With current metering function and wireless communication

System overview, page 7/1

© Siemens 2021

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, 10 × 38 mm, 14 × 51 mm, 22 × 58 mm	10 × 38 mm, 10 × 85 mm	1, 1L, 2L, 3L, 1XL, 2XL	000, 00, 1, 2, 3	10 × 38 mm, 14 × 51 mm, 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 NF C 60-200 NF C 63-210 / -211 NBN C 63269-2 CEI 32-4 / -12	IEC 60269-6	IEC 60269-6	IEC 60269-4	IEC 60269-2	–
UL 4248-1; CSA	–	–	UL 4248-1 UL 4248-13	UL 4248-1 UL 4248-13	UL 4248-1 CSA C22.2
400 ... 690 400 ... 600 (UL / CSA)	–	–	500 ... 2500	690 ... 1500 600 ... 1500 (UL / CSA)	600
20 ... 120	–	–	100 ... 150	100	200
–	1000 ... 1500	1000 ... 1500	400 ... 1500	250 ... 1000	150 ... 300
–	30	30	–	–	–
See page 7/42	See page 7/42	See page 7/42	See page 7/42	See page 7/42	See page 7/42

© Siemens 2021

NEOZED fuse links

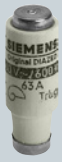
Operational class gG

			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

Quick selection guide, page 7/30

© Siemens 2021

DIAZED fuse links

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

[1] For 2 ... 25 A use screw adaptor DII

Quick selection guide, page 7/30

© Siemens 2021

SILIZED fuse links

Operational class gR

			NEOZED design		DIAZED design		
			Size D01	Size D02	Size DII	Size DIII	Size DIV
I_n	Switch-off I^2t value	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

Quick selection guide, page 7/30

© Siemens 2021

Photovoltaic cumulative fuse links

Operational class gPV

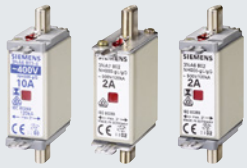
		Size 1	Size 1L	Size 2L	Size 3L	Size 1XL	Size 2XL
I_n DC	Power loss P_v	U_n DC 1000 V	U_n DC 1000 V	U_n DC 1000 V	U_n DC 1000 V	U_n DC 1500 V	U_n DC 1500 V
63 A	19 W	3NE1218-4	–	–	–	–	–
	20 W	–	–	–	–	3NE1218-5E	–
80 A	20 W	3NE1220-4	–	–	–	–	–
	25 W	–	–	–	–	3NE1220-5E	–
100 A	24 W	3NE1221-4	–	–	–	–	–
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

Quick selection guide, page 7/30

© Siemens 2021

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

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

Quick selection guide, page 7/30

© Siemens 2021

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

Quick selection guide, page 7/30

© Siemens 2021

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.

Quick selection guide, page 7/30

© Siemens 2021

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
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
3NA3214	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
3NA3220	–	–	–	–	–	–	–	–	–
3NA3222	–	–	–	–	–	–	–	–	–
3NA3224	3NA3224-6	–	–	–	–	–	–	–	–
3NA3230	3NA3230-6	–	–	–	–	–	–	–	–
3NA3232	3NA3232-6	–	–	–	–	–	–	–	–
3NA3236	3NA3236-6	–	–	–	–	–	–	–	–
3NA3240	3NA3240-6	–	–	3NA3340	–	–	–	–	–
3NA3242	–	–	3NA3242-6	3NA3342	–	–	–	–	–
3NA3244	–	–	3NA3244-6	3NA3344	3NA3344-6	–	–	–	–
–	–	3NA3250	3NA3250-6	3NA3350	–	–	–	–	–
–	–	3NA3252	3NA3252-6	3NA3352	3NA3352-6	–	–	–	–
–	–	3NA3254	–	3NA3354	–	–	3NA3354-6	–	–
–	–	3NA3260	–	3NA3360	–	–	3NA3360-6	–	–
–	–	–	–	–	–	3NA3362	3NA3362-6	–	–
–	–	–	–	–	–	3NA3365	3NA3365-6	–	3NA3665
–	–	–	–	–	–	3NA3372	–	3NA3472	3NA3672
–	–	–	–	–	–	–	–	3NA3475	3NA3675
–	–	–	–	–	–	–	–	3NA3480	3NA3680
–	–	–	–	–	–	–	–	3NA3482	3NA3682

7

Quick selection guide, page 7/30

© Siemens 2021

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 500 V	U_n AC 500 V	U_n AC 690 V	U_n AC 690 V	U_n AC 690 V	U_n AC 690 V	U_n AC 690 V	U_n AC 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

Quick selection guide, page 7/30

© Siemens 2021

Quick selection guide, page 7/30

© Siemens 2021

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

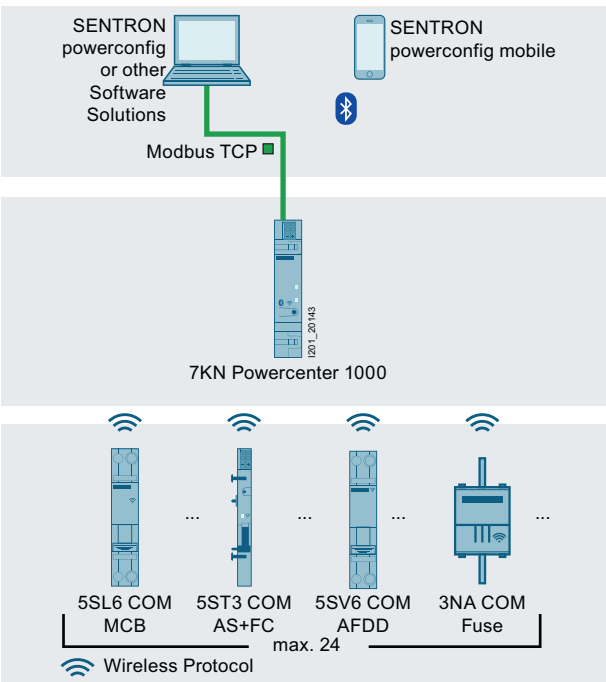
With front indicator and non-insulated grip lugs

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

[1] Electronic module is mounted by simple insertion

[2] For replacement purposes (electronic module can be reused after the fuse has been replaced!)

7KN Powercenter 1000 data transceiver



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

See page 10/17

You will find further information under:

Quick Installation Guide – 7KN Powercenter 1000 (109791805)

System Manual – Circuit protection devices with communication and metering function (109791806)

Quick selection guide, page 7/30

© Siemens 2021

Monitoring functions (alarm) with limit monitoring

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

Values		Accuracy	Measuring interval	Storage time
Current				
Current (rms value)	A	± 1% (8 ... 440 A), ± 2% (2.5 ... 8 A) at 25°C ± 2.2% (8 ... 440 A), ± 3.2% (2.5 ... 8 A) at –10 ... +70°C	10 s	1 h
Average current (rms value)	A	see current (rms value)	15 min	7 d
Minimum current	A	see current (rms value)	1 d	10 d
Maximum current	A	see current (rms value)	1 d	10 d
Temperature				
Temperature	°C	± 2.5 °C	1 min	1 h
Average temperature	°C	± 2.5 °C	15 min	7 d
Minimum temperature	°C	± 2.5 °C	1 d	10 d
Maximum temperature	°C	± 2.5 °C	1 d	10 d
Operating hours counter				
Operating hours counter	h	1h	Unlimited	Unlimited
Operating hours counter with load current > Limit value	h	1h	Unlimited	Unlimited

Technical data	Electronic module for 3NA COM
Current measuring range	2.5 ... 440 A (rms value)
Minimum current	5 A (to maintain the radio connection)
Temperature measuring range	+20 ... +120 °C
Active power input per phase during current measurement	50 mW
Minimum / maximum ambient temperature during operation	–10 °C / +55 °C
Minimum / maximum ambient temperature during storage	–10 °C / +70 °C
Relative humidity at 25 °C without condensation	max. 95%
Degree of protection IP	IP20
Pollution degree	2
Reference condition for measuring accuracy	IEC 61557-12
Measuring method	TRMS
Power supply	CT Harvesting
European standards	
RED Safety	EN 60669-2-5
RED Health	EN 62479
RED EMV	EN 63044-3 /-5-3, EN 301489-17, EN 300480-17
RED Radio Spec	EN 300 328
International standards	
For EMC	EN 63 044-5-3, IEC 61000-6-2, IEC 61000-4-2 /-3 /-4 /-5 /-6 / -8 /-11
For shocks, bumps, free fall, environmental tests	IEC 60068-2-1 /-2 /-6 /-27 /-29 /-30 /-32
Approvals	VDE, KEMA KEUR

Quick selection guide, page 7/30

© Siemens 2021

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	–

Quick selection guide, page 7/30

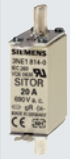
© Siemens 2021

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

Operational class gS, with blade contacts without slots

				Size 000	Size 00	Size 1	Size 2	Size 3
								
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 690 V [1]	U_n AC 690 V [1]	U_n AC 690 V [1]	U_n AC 690 V [1]	U_n AC 690 V [1]
16 A	200 A^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
Further information								
Installation in 3NH LV HRC fuse bases				■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices				■	■	■	■	■

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

Quick selection guide, page 7/30

© Siemens 2021

Operational class gR, with bolt-on links

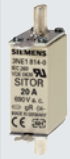
				Size 000	Size 00
			Screw fixing, mounting dimension	**M8, 80 mm**	**M10, 80 mm**
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
20 A	83 A^2s	7 W	0.9	3NE8714-1	–
25 A	140 A^2s	9 W	0.9	3NE8715-1	–
32 A	285 A^2s	10 W	0.9	3NE8701-1	–
40 A	490 A^2s	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					
Screw fixing				■	■
Installation in SITOR fuse bases				2× 3NH5023	2× 3NH5023
Further currents, operational class aR				see page 7/52	see page 7/52

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with blade contacts without slots

				Size 000	Size 00	Size 0
						
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/400 V	U_n AC 690 V [1]	U_n AC 1000 V [1]
6 A	37 A^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						
Installation in 3NH LV HRC fuse bases				■	■	■
Installation in 3NP and 3KF fuse switching devices				■	■	■
Further currents, operational class aR				see page 7/53	–	see page 7/53

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

Quick selection guide, page 7/30

© Siemens 2021

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

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with slotted blade contacts

				With 2 oblong slots Size 3		With oblong and transverse slots Size 1	
			Screw fixing, mounting dimension (lateral)	M10, 110 mm		M10, 110 mm	
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 500 V [1]	690 V [1]	U_n AC 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							
Screw fixing				■	■	■	■
Installation in SITOR fuse bases				3NH5463	3NH5463	3NH5463	3NH5463
Installation in LV HRC fuse bases				■	■	■	■
Installation in fuse switching devices				■	■	■	■
Further currents, operational class aR				see page 7/56	–	–	–

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

[2] Minimum clearance 90 mm

Quick selection guide, page 7/30

© Siemens 2021

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

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

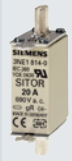
Operational class aR, with bolt-on links

				Size 000	
			Screw fixing, mounting dimension	M8, 80 mm	M10, 80 mm
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
63 A	1550 A^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					
Screw fixing				■	■
Installation in SITOR fuse bases				3NH5023	3NH5023
Further currents, operational class gR				see page 7/47	see page 7/47

Quick selection guide, page 7/30

© Siemens 2021

Operational class aR, with blade contacts without slots

				Size 000		Size 00	Size 0	Size 1	Size 2
									
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 500/440 V	690/440 V	U_n AC 690 V [1]	U_n AC 1000 V [1]	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V
63 A	1500 A^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									
Installation in 3NH LV HRC fuse bases				■		■	■	■	■
Installation in 3NP and 3KF fuse switching devices				■		■	■	■	■
Further currents, operational class gR				see page 7/48		–	see page 7/48	–	–

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

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

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	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 500 V [1]	U_n AC/DC 690/440 V	U_n AC 1000 V [1]	U_n AC/DC 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							
Screw fixing				■	■	■	■
Installation in SITOR fuse bases				3NH5463	3NH5423	3NH5463	3NH5463
Installation in 3NH LV HRC fuse bases				■	–	■	–
Installation in 3NP and 3KF fuse switching devices				■	–	■	–
Further currents, operational class gR				see page 7/17	–	–	–

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

Quick selection guide, page 7/30

© Siemens 2021

Size 2							
M10, 110 mm					M10, 170 mm	M10, 190 mm	M12, 260 mm
U_n AC 690 V [1]	800 V [1]	800 V [1]	900 V [1]	1000 V [1]	U_n AC/DC 1500/1000 V	U_n AC/DC 1500/1000 V	U_n DC 3000 V
–	–	–	–	–	3NE5320-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5321-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5322-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5324-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5325-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	3NE4327-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5327-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	3NE4330-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5330-0MK06	–	–
–	–	–	–	–	–	–	3NE9330-0MK07
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3332-0B	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5332-0MK06	–	–
–	–	–	–	3NE3333	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	3NE4333-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3334-0B	–	–	–
–	–	3NE4334-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5334-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3335	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3336	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5336-0MK06	3NE5336-0MK66	–
–	–	–	3NE3337-8	–	–	–	–
–	–	3NE4337	–	–	–	–	–
–	3NE3338-8	–	–	–	–	–	–
3NE3340-8	–	–	–	–	–	–	–
■	■	■	■	■	■	■	■
3NH5463	3NH5463	3NH5463	3NH5463	3NH5463	3NH5473	3NH5473	–
■	■	■	■	■	–	–	–
■	■	■	■	■	–	–	–
–	–	–	–	–	see page 7/17	–	–

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with slotted blade contacts

				With oblong and transverse slots Size 3					
			Screw fixing, mounting dimension	M10, 110 mm		M10, 130 mm	M10, 170 mm	M10, 210 mm	
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 500 V [1]	600 V [1]	U_n AC 1000 V [1]	U_n AC 1500 V [1]	U_n AC 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									
Screw fixing				■	■	■	■	■	■
Installation in SITOR fuse bases				3NH5463	3NH5463	–	3NH5463	–	–
Installation in 3NH LV HRC fuse bases				■	■	–	–	–	–
Installation in 3NP and 3KF fuse switching devices				■	■	–	–	–	–
Further currents, operational class gR				see page 7/50		–	–	–	–

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

Quick selection guide, page 7/30

© Siemens 2021

M12, 80 mm		M12, 110 mm				M12, 140 mm	M12, 210 mm		M12, 260 mm
U_n AC 500 V [1]	690 V [1]	U_n AC 800 V [1]	1000 V [1]	1100 V [1]	1250 V [1]	U_n AC 1000 V [1]	U_n AC 1500 V [1]	2000 V [1]	U_n AC 2500 V [1]
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9622-1C
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–		–	–	–	3NC3430-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	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	–	–	–	–	–	–	–	–	–
■	■	■	■	■	■	■	■	■	■
–	–	3NH5463	3NH5463	3NH5463	3NH5463	–	–	–	–
–	–	■	■	■	■	–	–	–	–
–	–	■	■	■	■	–	–	–	–
–	–	–	–	–	–	–	–	–	–

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

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 1000 V	U_n AC 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	–
Further information						
Screw fixing				■	■	■

Quick selection guide, page 7/30

© Siemens 2021

M12, 73 mm		M12, 73 mm	
U_n AC 800 V	1000 V	U_n AC 1100 V	1250 V
–	–	–	3NC3430-6U
–	–	–	3NC3432-6U
–	–	–	–
–	–	–	3NC3434-6U
–	–	–	–
–	3NC3336-6U	–	–
–	–	–	3NC3436-6U
–	–	–	–
–	3NC3337-6U	–	–
–	–	–	–
–	3NC3338-6U	–	–
–	–	3NC3438-6U	–
–	–	–	–
–	3NC3340-6U	–	–
–	–	–	–
–	3NC3341-6U	–	–
–	–	–	–
3NC3342-6U	–	–	–
–	–	–	–
3NC3343-6U	–	–	–
–	–	–	–
–	–	–	–
■	■	■	■

7

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

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	**Switch-off I^2t value**	**Power loss P_v**	**Varying load factor WL**	**U_n AC 600 V**	**U_n AC 1000 V**
50 A	1100 A^2s	20 W	0.85	–	3NE4117-5
850 A	2480000 A^2s	85 W	1.0	3NE9440-6	–
Further information					
Screw fixing				■	■

7

Operational class aR, special designs

				Without installation bracket For screwing onto water-cooled busbars			
			Flange dimension	**83 mm**			
I_n	**Switch-off I^2t value**	**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	–	–	–
Further information							
Screw fixing				■	■	■	■

Quick selection guide, page 7/30

© Siemens 2021

				With installation bracket	
For air-cooled rectifiers in electrolysis systems		For mounting directly in the railway supply rectifier	For SITOR 6QG12 thyristor sets	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	–	–	–	–	–
■	■	■	■	■	■

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (LV HRC design)

DC fuses, operational class gR, with slotted blade contacts

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

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

7

DC fuses, operational class aR, with slotted blade contacts

				Size 1L	Size 2L	Size 3L	Size 2 × 3L	Size 3 × 3L
			Screw fixing	M12	M12	M12	M12	M12
I_n	Switch-off I^2t value at U_{VSI} 1500 V [2]	Power loss P_v	Varying load factor WL	U_n DC/U_{VSI} 1250 V/1500 V	U_n DC/U_{VSI} 1250 V/1500 V	U_n DC/U_{VSI} 1250 V/1500 V	U_n DC/U_{VSI} 1250 V/1500 V	U_n DC/U_{VSI} 1250 V/1500 V
200 A	39000 A^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
Further information								
Screw fixing				■	■	■	■	■

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

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (cylindrical fuse design)

Cylindrical fuses, operational class gS

			Size 22 × 127 mm
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC 1500/1000 V
1 A	2 A^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			
Installation in SITOR fuse holders			3NC23
Further currents, operational class gR			see page 7/64
Further currents, operational class aR			see page 7/66

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class gR

			Size 10 × 38 mm		Size 14 × 51 mm			
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC 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 A^2s	3.1 W	–	–	3NC1406-0MK	–	–	–
	6.5 A^2s	2.5 W	3NC1006-0MK	–	–	–	–	–
10 A	15 A^2s	4.6 W	–	–	3NC1410-0MK	–	–	–
	17 A^2s	4.3 W	–	–	–	–	–	–
	18 A^2s	3.3 W	3NC1010-0MK	–	–	–	–	–
12 A	35 A^2s	4 W	3NC1012-0MK	–	–	–	–	–
16 A	32 A^2s	6.7 W	–	–	–	3NC1416-0MK	–	–
	45 A^2s	6 W	3NC1016-0MK	–	–	–	–	–
	52 A^2s	4.4 W	–	–	–	–	–	–
20 A	68 A^2s	7.4 W	–	–	–	3NC1420-0MK	–	–
	90 A^2s	6.5 W	–	–	–	–	–	–
	110 A^2s	7.8 W	–	3NC1020-0MK	–	–	–	–
25 A	108 A^2s	8.4 W	–	–	–	3NC1425-0MK	–	–
	120 A^2s	9.5 W	–	–	–	–	–	–
	140 A^2s	8.7 W	–	3NC1025-0MK	–	–	–	–
	160 A^2s	8.5 W	–	–	–	–	–	–
	180 A^2s	8.1 W	–	–	–	–	–	–
32 A	175 A^2s	12.3 W	–	–	–	3NC1432-0MK	–	–
	220 A^2s	12.3 W	–	–	–	–	–	–
	400 A^2s	8.9 W	–	–	–	–	–	–
	420 A^2s	9 W	–	–	–	–	–	–
	450 A^2s	12 W	–	3NC1032-0MK	–	–	–	–
40 A	400 A^2s	14.8 W	–	–	–	–	–	–
	470 A^2s	11.7 W	–	–	–	–	3NC1440-0MK	–
	600 A^2s	11 W	–	–	–	–	–	–
	700 A^2s	12.5 W	–	–	–	–	–	–
	18500 A^2s	9.4 W	–	–	–	–	–	–
50 A	830 A^2s	16.3 W	–	–	–	–	–	3NC1450-0MK
	980 A^2s	17.5 W	–	–	–	–	–	–
	1250 A^2s	13.8 W	–	–	–	–	–	–
	1250 A^2s	15.2 W	–	–	–	–	–	–
63 A	2050 A^2s	18.8 W	–	–	–	–	–	–
	2400 A^2s	17.5 W	–	–	–	–	–	–
80 A	4400 A^2s	23 W	–	–	–	–	–	–
100 A	11500 A^2s	28.7 W	–	–	–	–	–	–
Further information								
Screw fixing			–	–	–	–	–	–
Installation in SITOR fuse holders			3NC109.	3NC109.	3NC149.	3NC149.	3NC149.	3NC149.
Installation in SITOR fuse bases			–	–	–	–	–	–
Further currents, operational class gS			–	–	–	–	–	–
Further currents, operational class aR			–	–	–	–	–	–

[1] DC voltage according to UL

Quick selection guide, page 7/30

© Siemens 2021

Size 22 × 58 mm				Size 22 × 127 mm	With M8 bolt-on links Size 18 × 88 mm	Size 26 × 103 mm
U_n AC/DC 690/700 V [1]	690/600 V	690/440 V	690/250 V	U_n AC/DC 1500/1000 V	U_n AC/DC 690/440 V	U_n AC/DC 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	–	–	–
–	–	–	–	–	■	■
3NC229.	3NC229.	3NC229.	3NC229.	3NC23	–	–
–	–	–	–	–	3NH5723	3NH5023
–	–	–	–	see page 7/63	–	–
–	–	–	–	see page 7/66	–	–

7

Quick selection guide, page 7/30

© Siemens 2021

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class aR

			Size 10 × 38 mm [1]		Size 14 × 51 mm			
					Standard			With striking pin
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC 600/700 V [2]	U_n AC 600 V	U_n AC 660 V	U_n AC/DC 690/700 V [2]	690/250 V	U_n AC/DC 690/600 V [1]
1 A	1.2 A^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								
Screw fixing			–	–	–	–	–	–
Installation in SITOR fuse holders			3NC109.	3NC109.	3NC149	3NC149	3NC149.-5	3NC149.-5
Installation in SITOR fuse bases			–	–	–	–	–	–
Further currents, operational class gS			–	–	–	–	–	–
Further currents, operational class aR			–	–	–	–	–	–

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

[2] CCC approval

Quick selection guide, page 7/30

© Siemens 2021

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 690/700 V [2]	690/250 V	U_n AC/DC 600/500 V [1]	690/500 V [1]	U_n AC/DC 1500/1000 V	U_n AC/DC 690/440 V
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
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	–	–	–	–
–	–	–	–	–	■
3NC229.	3NC229.	3NC229.-5	3NC229.-5	3NC23	–
–	–	–	–	–	3NH5023
–	–	–	–	see page 7/64	–
–	–	–	–	see page 7/63	–

Quick selection guide, page 7/30

© Siemens 2021

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	–	–
Further information					
Installation in fuse holders			3NW70..-4	3NW76..-4	3NW76..-4

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

Quick selection guide, page 7/30

© Siemens 2021

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
Further information				
Installation in fuse holders		3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG

[1] American English wording

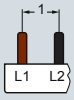
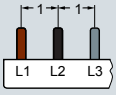
Quick selection guide, page 7/30

© Siemens 2021

Busbars

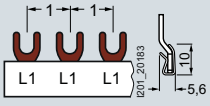
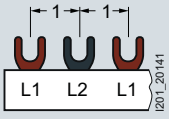
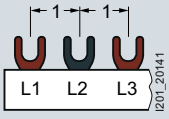
According to IEC, can be cut

Pin spacing 1 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase, angled					**Article No.**
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3700
		1016 mm	Without end caps	16 mm²	5ST3701
2-phase					**Article No.**
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3704
		1016 mm	Without end caps	16 mm²	5ST3705
3-phase					**Article No.**
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3708
		1016 mm	Without end caps	16 mm²	5ST3710

7

Fork spacing 1 MW

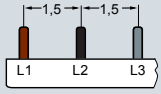
Fork spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For MINIZED D01 fuse switch disconnectors	220 mm	With end caps	16 mm²	5ST2186
		1000 mm	Without end caps	16 mm²	5ST2190
2-phase					**Article No.**
	For MINIZED D01 fuse switch disconnectors	220 mm	With end caps	16 mm²	5ST2187
		1000 mm	Without end caps	16 mm²	5ST2191
3-phase					**Article No.**
	For MINIZED D01 fuse switch disconnectors	220 mm	With end caps	16 mm²	5ST2188
		1000 mm	Without end caps	16 mm²	5ST2192

System overview, page 7/4

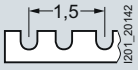
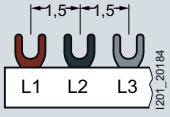
© Siemens 2021

According to IEC, can be cut

Pin spacing 1.5 MW

Pin spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	
1-phase, angled					**Article No.**
	For 5SG71.3 MINIZED switch disconnectors with fuses D02 For NEOZED D01 / D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG1302, 5SG1702 For NEOZED D01 / D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7111 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1491	1016 mm	Without end caps	16 mm²	5ST3703
3-phase					**Article No.**
	For 5SG71.3 MINIZED switch disconnectors with fuses D02 For NEOZED D01 / D02 fuse bases made of molded plastic 5SG5301, 5SG5701, 5SG5302, 5SG5702 For NEOZED D01 / D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7131 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1493	1016 mm	Without end caps	16 mm²	5ST3714

Fork spacing 1.5 MW

Fork spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For NEOZED D01 / D02 fuse bases made of ceramic with clamp-type terminal and screw head contacts	1000 mm	Without end caps, non-insulated	36 mm²	5SH5322
3-phase					**Article No.**
	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

7

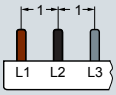
System overview, page 7/4

© Siemens 2021

Busbars

According to UL 508, can be cut

Pin spacing 1 MW

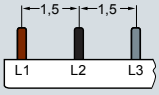
Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1091, 3NW7513-0HG)	1000 mm	Without end caps	18 mm²	5ST3701-0HG
2-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1092, 3NW7523-0HG)	1000 mm	Without end caps	18 mm²	5ST3705-0HG
3-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1093, 3NW7533-0HG)	1000 mm	Without end caps	18 mm²	5ST3710-0HG

System overview, page 7/4

© Siemens 2021

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
2-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

7

System overview, page 7/4

© Siemens 2021

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

Touch protection

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

Article No.
5ST3655

End caps

Version	For bar type	Article No.
For 1-phase busbars	5ST2190	5ST2196
	5ST37 and 5SH55	5ST3748
For 2-phase and 3-phase busbars	5ST2191 and 5ST2192	5ST2197
	5ST37 and 5SH5320	5ST3750

System overview, page 7/4

© Siemens 2021

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 1-phase busbars	5ST3748-0HG
	For 2- and 3-phase busbars	5ST3750-0HG

7

System overview, page 7/4

© Siemens 2021

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

System overview, page 7/4

© Siemens 2021

© Siemens 2021

© Siemens 2021

Appendix

Conditions of sale and delivery — A/2

Link directory — A/4

A

© Siemens 2021

Conditions of sale and delivery

1. General Provisions

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

1.1 For customers with a seat or registered office in European Union

For customers with a seat or registered office in European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for stand-alone software products and software products forming a part of a product or project, the „General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany"[1] and/or
- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen der Division DF – Deutschland" (available only in German) and/or
- for other services, the „Supplementary Terms and Conditions for Services ("BL")[1] and/or
- for other supplies the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1].
  In case such supplies should contain Open Source Software, the conditions of which shall prevail over the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1], a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. This shall apply mutatis mutandis for notices referring to other third party software components.

1.2 For customers with a seat or registered office outside European Union

For customers with a seat or registered office outside European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the „Standard Terms and Conditions for Consulting Services of the Division DF for Customers with a Seat or Registered Office Outside of Germany"[1] and/or
- for other services the „International Terms & Conditions for Services"[1] supplemented by „Software Licensing Conditions"[1] and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products"[1] supplemented by „Software Licensing Conditions"[1]

1.3 For customers with master or framework agreement

To the extent our supplies and/or services offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

2. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog – especially with regard to data, dimensions and weights given – these are subject to change without prior notice.

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

© Siemens 2021

3. Export Regulations

We shall not be obligated to fulfill any agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes and/or other sanctions.

Export may be subject to license. We shall indicate in the delivery details whether licenses are required under German, European and US export lists.

Our products are controlled by the U.S. Government (when labeled with „ECCN" unequal „N") and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Products labeled with „AL" unequal „N" are subject to European / national export authorization.

The export indications can be viewed in advance in the description of the respective goods on the Industry Mall, our online catalog system. Only the export labels „AL" and „ECCN" indicated on order confirmations, delivery notes and invoices are authoritative.

Products without label, with label „AL:N" / „ECCN:N", or label „AL:9X9999" / „ECCN: 9X9999" may require authorization from responsible authorities depending on the final end-use, or the destination.

If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you shall comply with all applicable national and international (re-)export control regulations. In any event of such transfer of goods, works and services you shall comply with the (re-) export control regulations of the Federal Republic of Germany, of the European Union and of the United States of America.

Prior to any transfer of goods, works and services provided by us to a third party you shall in particular check and guarantee by appropriate measures that

- there will be no infringement of an embargo imposed by the European Union, by the United States of America and/ or by the United Nations by such transfer, by brokering of contracts concerning those goods, works and services or by provision of other economic resources in connection with those goods, works and services, also considering the limitations of domestic business and prohibitions of by-passing those embargos;
- such goods, works and services are not intended for use in connection with armaments, nuclear technology or weapons, if and to the extent such use is subject to prohibition or authorization, unless required authorization is provided;
- the regulations of all applicable Sanctioned Party Lists of the European Union and the United States of America concerning the trading with entities, persons and organizations listed therein are considered.

If required to enable authorities or us to conduct export control checks, you, upon request by us, shall promptly provide us with all information pertaining to the particular end customer, the particular destination and the particular intended use of goods, works and services provided by us, as well as any export control restrictions existing.

You acknowledge that under the EU embargo regulations against Iran, Syria and Russia respectively the sale of certain listed goods and related services is subject to authorization by the competent export control authorities of the European Union. If (1) the goods or services ordered by you are destined for Iran, Syria or Russia, and (2) the contract for our supplies and/or services is subject to prior authorization of the competent export control authorities of the European Union, the contract between you and us shall come into force in this respect only upon granting of such authorization.

The products listed in this catalog may be subject to European/ German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities. Errors excepted and subject to change without prior notice.

© Siemens 2021

Link directory

Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/lowvoltage/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAx download manager	www.siemens.com/lowvoltage/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Brochures / catalogs	www.siemens.com/lowvoltage/catalogs
Operating instructions / manuals	www.siemens.com/lowvoltage/manuals
Siemens Industry Online Support (SIOS)	www.siemens.com/lowvoltage/product-support
Siemens Industry Online Support app	www.siemens.com/support-app
My Documentation Manager (MDM)	www.siemens.com/lowvoltage/mdm
Configurators	www.siemens.com/lowvoltage/configurators
Siemens Industry Mall – product catalog and online ordering system	www.siemens.com/lowvoltage/mall
Direct forwarding to the Industry Mall	www.siemens.com/product?Article No.
Training	www.siemens.com/sitrain-lowvoltage
Local contacts	www.siemens.com/lowvoltage/contact www.siemens.com/lowvoltage/components/contact www.siemens.com/lowvoltage/systems/contact www.siemens.com/lowvoltage/software/contact
Technical Support	www.siemens.com/lowvoltage/support-request
Information on services	www.siemens.com/service-catalog
Manual for the generation, transmission and distribution of electrical energy	www.siemens.com/power-engineering-guide
Control panels for the North American market	www.siemens.com/northamerican-standards
Control panel building	www.siemens.com/controlpanel
Energy savings and amortization	www.automation.siemens.com/sinasave
Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

© Siemens 2021

Catalogs and further information

LV 10
Low-Voltage Power Distribution and Electrical Installation Technology
SENTRON • SIVACON • ALPHA

Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems

PDF (E86060-K8280-A101-B3-7600)

LV 14
Power Monitoring Made Simple
SENTRON

E86060-K1814-A101-A7-7600

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

PDF (E86060-K8280-E347-A6-7600)

ET D1
Switches and Socket Outlets
DELTA

PDF

IC 10
Industrial Controls
SIRIUS

PDF (E86060-K1010-A101-B2-7600)

Industry Mall
Information and Ordering Platform on the Internet:

www.siemens.com/industrymall

Siemens TIA Selection Tool
for the selection, configuration and ordering of TIA products and devices

www.siemens.com/tst

SITRAIN
Digital Industry Academy

www.siemens.com/sitrain

The catalogs listed above and additional catalogs are available in PDF format at Siemens Industry Online Support www.siemens.com/lowvoltage/catalogs

Further information on low-voltage power distribution and electrical installation technology is available on the Internet at www.siemens.com/lowvoltage

© Siemens 2021

Get more information

www.siemens.com/lowvoltage

Published by
Siemens AG

Smart Infrastructure
Electrical Products
Siemensstraße 10
93055 Regensburg, Germany

For the U.S. published by
Siemens Industry Inc.

100 Technology Drive
Alpharetta, GA 30005
United States

PDF (Extract from E86060-K8280-A101-B3-7600)
KG 0621 84 En
Produced in Germany
© Siemens 2021

Subject to changes and errors. The information given in this catalog only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or other rights of Siemens AG, its affiliated companies or other companies whose use by third parties for their own purposes could violate the rights of the respective owner.

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the Internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit
https://www.siemens.com/industrialsecurity

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under
https://www.siemens.com/industrialsecurity