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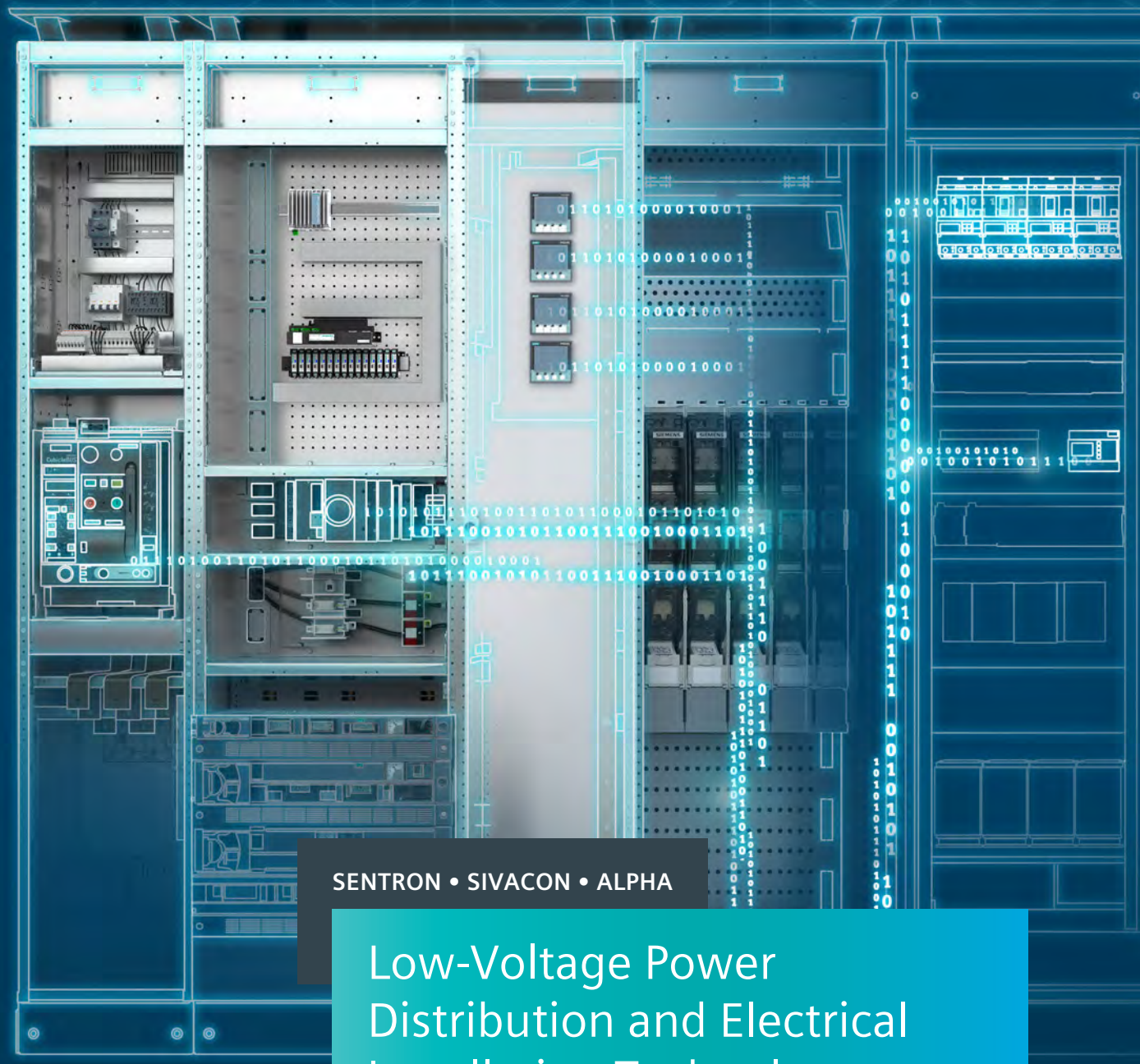

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Fuse Systems

Catalog Extract LV 10

Edition 04/2020

siemens.com/lowvoltage

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Catalog LV 10 · 04/2020

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

All illustrations are not binding.

Low-Voltage Power Distribution and Electrical Installation Technology

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Technical overview – Fuse systems

The fast way to get you to our online services

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

System overview

Fuse holders and bases

IEC fuse holders and bases


MINIZED


NEOZED


DIAZED


Bus-mounting bases for busbars


Photovoltaic cumulative fuses

IEC/UL fuse holders and bases


LV HRC fuses


Cylindrical fuses


SITOR semiconductor fuses (LV HRC design)


SITOR semiconductor fuses (cylindrical fuse design)

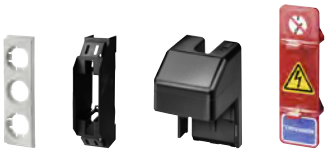

Photovoltaic cylindrical fuses

UL fuse holders and bases


Class CC


Class J

Accessories for fuse holders and bases


Covers


Screw caps


Adapter sleeves


Isolating blades

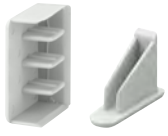

LV HRC signal detectors

Busbars and accessories


Can be cut


Terminals


Touch protection


End caps

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

Fuse links

IEC fuse links

NEOZED

DIAZED

LV HRC

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.

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Overview of fuse systems according to IEC

Fuse links

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

Selection according to protection task

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

Fuse holders and bases

For protection tasks

Overview, see page 7/8

	Floor 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, 8/116

	Floor fixation	Standard mounting rail	Busbar	Type	Stand-ard	More information		
Fuse switch disconnectors	■	■	■	3NP1	IEC / UL	See page 8/80	–	–
	■	–	■	3NP5	IEC / UL	See page 8/94	–	–
	–	■	■	5SG7	IEC	See page 8/144	■	–
	–	–	■	3NJ4	IEC	See page 8/98	–	–
Switch disconnector with fuse	■	■	–	3KF LV HRC	IEC	See page 8/116	–	–
	■	■	–	3KF SITOR	IEC / UL	See page 8/116	–	–
	–	–	■	3NJ62	IEC	See page 8/132	–	–

System overview, page 7/4

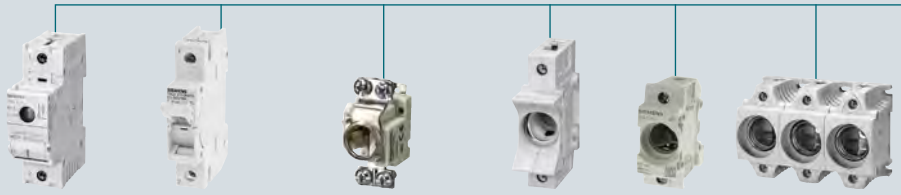
Overview, see page 7/30

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

System overview, page 7/4

Overview of fuse holders, bases and D0 fuse switching devices

IEC



			MINIZED switch disconnectors	MINIZED fuse switch disconnectors	NEOZED fuse bases			NEOZED comfort bases	NEOZED fuse bases	DIAZED fuse bases
Basic data										
Size			D02	D01	D01	D02	D03	D01, D02	D01, D02	NDz, DII, DIII
Variant			5SG71	5SG76	5SG15 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
	U_n acc. to UL	V AC	–	–	–	–	–	–	–	–
Rated insulation voltage		V AC	500	690	–	–	–	–	–	–
Short-circuit strength		kA AC	50	50	50	50	50	50	50	50
Rated current	I_n	A	63	16	16	63	100	16/63	16/63	2 ... 100
	I_n acc. to UL/CSA	A	–	–	–	–	–	–	–	–
Rated impulse withstand voltage		kV AC	6	6	–	–	–	–	–	–
Utilization category	Acc. to VDE 0638	A	AC-22	AC-22	–	–	–	–	–	–
	Acc. to EN 60947-3	A	AC-22 B, AC-23 B (35A)	AC-22 A	–	–	–	–	–	–
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-22 B	–	–	–	–	–	–	–
Further technical specifications										
Overvoltage category			IV	IV		–		–	–	III; II (DIAZED fuse bases made of molded plastic for use at 690 V AC / 600 V DC)
Max. power dissipation of fuse links (conductor cross-section used)		W	–	–		–		–	–	–
Pollution degree			–	–		–		–	–	–
Further information										
Catalog LV 10			See page 7/13	See page 7/12	See page 7/16					See page 7/18

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

System overview, page 7/4

IEC






Cylindrical fuse holders		LV HRC fuse bases, LV HRC bus-mounting bases						Photovoltaic cumulative fuse bases						NEOZED bus-mounting bases for 5SG 60 mm compact busbar systems	NEOZED SR60 bus-mounting bases	DIAZED SR60 bus-mounting bases	
8×32 mm	22×58 mm	000/ 00	0	1	2	3	4	1	1L	2L	3L	1XL	2XL	D02	D02	DII	DII
3NW73..	3NW72..	–	–	–	–	–	–	3NH7...-4						5SG6208	5SG6202 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
–	700	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	100	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	100	160	160	250	400	630	1250	160	250	400	630	250	400	63	63	25	63
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
AC-20B (switching without load)		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	250	440	440	440	440	440	1000	1000	1000	1000	1500	1500	250	250	–	600
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	25	25	25	25	25	25	–	–	–	–	–	–	8	8	8	8
DC-20B (switching without load)		–	–	–	–	–	–	DC-20B (switching without load)						–	–	–	–
–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–		12	25	32	45	60	90	40	90	110	130	90	110	–	–	–	–
–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
See page 7/22		See page 7/22						See page 7/21						See page 7/20			

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System overview, page 7/4

Overview of fuse holders, bases and D0 fuse switching devices

IEC / UL

			LV HRC fuse bases, LV HRC bus-mounting bases						Fuse holders for SITOR semiconductor fuses (cylindrical fuse design)			
Basic data												
Size			000/00	0	1	2	3	4	10 × 38 mm	14 × 51 mm	22 × 58 mm	22 × 127 mm
Variant			–	–	–	–	–	–	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	690	1500
	U_n acc. to UL	V AC	–	–	–	–	–	–	600	600	600	–
Rated insulation voltage		V AC	–	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA AC	–	–	–	–	–	–	50	50 (100 at 400 V)	50 (100 at 500 V)	30
Rated current	I_n	A	160	160	250	400	630	1250	32	50	100	63
	I_n acc. to UL/CSA	A	–	–	–	–	–	–	30	50 (UL), 40 (CSA)	80	–
Rated impulse withstand voltage		kV AC	–	–	–	–	–	–	6	6	6	–
Utilization category	Acc. to VDE 0638	A	–	–	–	–	–	–	–	–	–	–
	Acc. to EN 60947-3	A	–	–	–	–	–	–	AC-22B (400 V)	AC-22B (400 V)	AC-20B (690 V)	AC-20B
Technical specifications DC												
Rated voltage	U_n	V DC	250	440	440	440	440	440		800		1000
	U_n acc. to UL	V DC	–	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA DC	25	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	90	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												
Catalog LV 10			See page 7/22						See page 7/60			

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

System overview, page 7/4

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 7/26		See page 7/28	See page 7/27				

System overview, page 7/4

MINIZED fuse switch disconnectors

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

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System overview, page 7/4

MINIZED switch disconnectors

Number of poles	1P	1P+N	2P	3P	3P+N
					
Size	**Rated current**				
D02	25 A	–	–	–	5SG7133-8BA25 [1]	–
	35 A	–	–	–	5SG7133-8BA35 [1]	–
	50 A	–		–	5SG7133-8BA50 [1]	–
	63 A	5SG7113	5SG7153	5SG7123	5SG7133	5SG7163

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

Accessories

Reducers

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

Auxiliary switches (AS)

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

Auxiliary switches (AS) with TEST button

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

System overview, page 7/4

NEOZED bus-mounting switch disconnectors

For 8US 60 mm busbar systems

							Size D02		
						Mounting width	1.5 MW	1.5 MW	1.5 MW
									
For flat copper profiles	**Rated current I_e**		**Rated voltage U_e**			**Standard**	**Without LED signal detector**		**With LED signal detector**
	IEC	**UL 508**	**IEC AC**	**IEC DC**	**UL 508**				
Box terminals									
5 mm and 10 mm	63 A	–	400 V AC	–	–	IEC	5SG7234-1 [2]	–	5SG7234-2 [2]
			400 V AC	110 V DC	–	IEC	–	5SG7230 [1]	–

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

Suitable accessories

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Auxiliary switches

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

Contacts	**Mounting width**	**Article No.**	**Article No.**	**Article No.**
1 CO contact	0.5 MW	–	5SH5525	–

Lateral modules

- For greater heat dissipation for loads from 35 A

Mounting width	**Article No.**	**Article No.**	**Article No.**
0.5 MW	5SH5533	5SH5526	5SH5533

Reducers

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

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

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NEOZED fuse bases

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

Accessories

NEOZED screw caps

	Material	Version	Fuse size	Article No.
	Molded plastic	With inspection hole	D01	5SH4116
			D02	5SH4163
	Ceramic	Without inspection hole, sealable	D01	5SH4316
			D02	5SH4363
		Without inspection hole	D03	5SH4100
		With inspection hole	D01	5SH4317
			D02	5SH4362

NEOZED adapter sleeves

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

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

NEOZED covers

Fuse size	Article No.
D03	5SH5233

NEOZED adapter sleeve fitters

	Article No.
	5SH5100

NEOZED retaining springs

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

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DIAZED fuse bases

		Fuse bases made of molded plastic With box terminal		Fuse bases made of ceramic With clamp-type terminal	With saddle terminal
	Number of poles	1P	3P	1P	1P
					
Size	**Rated current**	**U_n AC/DC 500/500 V**	**U_n AC/DC 500/500 V**	**U_n AC/DC 500/500 V**	**U_n AC/DC 500/500 V**
DII	25 A	5SF1060	5SF5068	5SF1005	–
DIII	63 A	5SF1260 [1]	5SF5268 [1]	–	5SF1205 [1]

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

Accessories

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DIAZED screw caps

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

DIAZED screw adapters

- Also for 5SF230 up to 750 V

	Fuse size	Rated current	Article No.
	DII	2 A	5SH310
		4 A	5SH311
		6 A	5SH312
		10 A	5SH313
		16 A	5SH314
		20 A	5SH315
		25 A	5SH316
	DIII	32 A	5SH327
		35 A	5SH317
		50 A	5SH318
		63 A	5SH320

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With screw head contact	
1P	
	
U_n AC/DC 750/750 V	
–	
5SF4230	

DIAZED adapter sleeves for screw caps

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

DIAZED adapter sleeve fitters

Use	Article No.
For DII / DIII screw adapters	5SH3703

DIAZED cover rings

Fuse size	Material	Article No.
DII	Molded plastic	5SH3401
DIII	Molded plastic	5SH3411

DIAZED caps

Fuse size	Material	Article No.
DII	Molded plastic	5SH202
DIII	Molded plastic	5SH222

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Bus-mounting bases

For 8US busbar systems

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

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Accessories

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

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

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Photovoltaic cumulative fuse bases

			With flat terminals, ceramic	With swiveling mechanism	With swiveling mechanism and microswitch for tripped signaling
					
Size	**Rated current**	**Rated voltage DC**			
1	250 A	1000 V	3NH3230	–	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

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System overview, page 7/4

LV HRC fuse bases

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

[1] No longer to be used for new installations!

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Accessories

LV HRC protective covers for LV HRC fuse bases

- As touch protection for contact pieces

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

LV HRC partitions for LV HRC fuse bases

- As intermediate phase and end barrier

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

LV HRC protective covers

Size	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.
	When using fuse links with non-insulated grip lugs	3NX3116

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

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Covers for LV HRC fuse bases

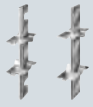
- Red color
- With inscription "Isolating point"
- Observe width 60 mm of the blank insert when using for size 1

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

Fuse pullers for LV HRC fuse links

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

Isolating blades for LV HRC fuse bases and fuse switch disconnectors



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

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Cylindrical fuse holders

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

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

Auxiliary switches for cylindrical fuse holders, compact

Rated operational current I_e/AC-12	Rated operational voltage U_e	Contacts	Article No.
5 A	Max. 250 V	1 NO contact + 1 NC contact	3NW7903-1

Busbars for cylindrical fuse holders, compact

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

Terminals for cylindrical fuse holders, compact

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

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

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

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For cylindrical fuses

		Cylindrical fuse holders, can be used as fuse switch disconnectors				Cylindrical fuse bases		
	Number of poles	**1P**		**2P**	**3P**	**1P**	**2P**	**3P**
								
Size	**Rated voltage AC / DC**	**Signaling switch**						
		Without	**With**					
10 mm × 38 mm	600 / – V	–	–	–	–	3NC1038-1	3NC1038-2	3NC1038-3
	690 / 800 V	3NC1091	–	3NC1092	3NC1093	–	–	–
14 mm × 51 mm	690 / 800 V	3NC1491	3NC1491-5	3NC1492	3NC1493	–	–	–
22 mm × 58 mm	690 / 800 V	3NC2291	3NC2291-5	3NC2292	3NC2293	–	–	–
22 mm × 127 mm	1500 / 1000 V	3NC2391-0MK	–	3NC2392-0MK	3NC2393-0MK	–	–	–

Accessories

Fuse tongs

For sizes	Article No.
10 mm × 38 mm 14 mm × 51 mm 22 mm × 58 mm	3NC1000

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Photovoltaic cylindrical fuse holders

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

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Class J fuse holders

			For mounting on DIN mounting rail			For screwing onto mounting plate	Bus-mounting fuse holders for 8US 60 mm busbar systems		
		Number of poles	1P	2P	3P	3P	3P	3P	3P
									
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

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Class CC fuse holders

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

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

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Overview

IEC

		NEOZED fuse links	DIAZED fuse links	SILIZED fuse links	LV HRC fuse links
Basic data					
Design		NEOZED	DIAZED	NEOZED, DIAZED	LV HRC
Size		D01, D02, D03	NDz, DII, DIII	D01, D02, DII, DIII, DIV	000/00, 0, 1, 2, 3, 4, 4a
Operational class		gG	gG	gR	gG, aM
Rated current	A	2 ... 100	2 ... 100	10 ... 100	2 ... 1250
Standards					
Standard		IEC 60269-3 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 DIN VDE 0636
Approvals		–	–	–	CSA 22.2
Technical specifications AC					
Rated voltage AC	V	400	500 ... 750	400 ... 500	400 ... 690 600 (CSA)
Rated breaking capacity AC	kA	50	50	50	120
Technical specifications DC					
Rated voltage DC	V	250	500 ... 750	250 ... 500	250 ... 440
Rated breaking capacity DC	kA	8	8	8	25
Further information					
Catalog LV 10		See page 7/33	See page 7/33	See page 7/34	Page 7/36

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IEC			IEC / UL		UL
					
Cylindrical fuse links	**Photovoltaic cylindrical fuse links**	**Photovoltaic cumulative fuse links**	**SITOR LV HRC semiconductor fuse links**	**SITOR cylindrical semiconductor fuse links**	**Class CC fuse links**
Cylindrical	Cylindrical	LV HRC	LV HRC	Cylindrical	Cylindrical
8 × 32 mm, 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	–	–	–
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NEOZED fuse links

Operational class gG

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

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DIAZED fuse links

	Size DII	Size DIII [1]			Size DIV	Size TNDz	
	E27	E33			R 1¼"	E16	
Operational class	gG	gG		quick	gG	slow	
							
I_n	Identification color	U_n AC/DC 500/440 V	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 new	–	–	5SD8016	5SD605	–	5SA2611 new	–
20 A	Blue	5SB2711 new	–	–	5SD8020	5SD606	–	5SA2711 new	–
25 A	Yellow	5SB2811 new	–	–	5SD8025	5SD607	–	5SA2811 new	–
32 A	Violet	–	–	5SB4011 new	–	–	–	–	–
35 A	Black	–	–	5SB4111 new	5SD8035	5SD608	–	–	–
50 A	White	–	–	5SB4211 new	5SD8050	5SD610	–	–	–
63 A	Copper	–	–	5SB4311 new	5SD8063	5SD611	–	–	–
80 A	Silver	–	–	–	–	–	5SC211	–	–
100 A	Red	–	–	–	–	–	5SC221	–	–

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

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SILIZED fuse links

Operational class gR

			NEOZED design		DIAZED design		
			Size D01	Size D02	Size DII	Size DIII	Size DIV
							
I_n	Operating value I^2t	Power loss P_v	U_n AC/DC 400/250 V	U_n AC/DC 400/250 V	U_n AC/DC 500/500 V	U_n AC/DC 500/500 V	U_n AC/DC 500/500 V
10 A	73 A^2s	6.9 W	5SE1310	–	–	–	–
16 A	60 A^2s	12.1 W	–	–	5SD420	–	–
	120 A^2s	6.2 W	5SE1316	–	–	–	–
20 A	139 A^2s	12.3 W	–	–	5SD430	–	–
	190 A^2s	8.1 W	–	5SE1320	–	–	–
25 A	205 A^2s	12.5 W	–	–	5SD440	–	–
	215 A^2s	8.2 W	–	5SE1325	–	–	–
30 A	310 A^2s	13.5 W	–	–	5SD480	–	–
35 A	470 A^2s	16.7 W	–	5SE1335	–	–	–
	539 A^2s	14.8 W	–	–	–	5SD450	–
50 A	1250 A^2s	18.5 W	–	–	–	5SD460	–
	1960 A^2s	12.0 W	–	5SE1350	–	–	–
63 A	1890 A^2s	28 W	–	–	–	5SD470	–
	4230 A^2s	15.5 W	–	5SE1363	–	–	–
80 A	4200 A^2s	34.3 W	–	–	–	–	5SD510
100 A	8450 A^2s	41.5 W	–	–	–	–	5SD520

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Photovoltaic cumulative 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	–	–

System overview, page 7/4

LV HRC fuse links

Operational class gG, with combination alarm

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

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

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

System overview, page 7/4

LV HRC fuse links

Operational class gG, with front indicator

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

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

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Size 2				Size 3				Size 4 (IEC design)	Size 4a
47.2 mm		57.8 mm		57.8 mm		71.2 mm		101.8 mm	101.8 mm
									
U_n AC/DC 500/440 V	690 [1]/440 V	U_n AC/DC 500/440 V	690 [1]/440 V	U_n AC/DC 500/440 V	690 [1]/440 V	U_n AC/DC 500/440 V	690 [1]/440 V	U_n AC/DC 500/440 V	U_n AC/DC 500/440 V
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
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

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System overview, page 7/4

LV HRC fuse links

Operational class aM, with front indicator

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

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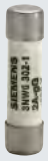
Cylindrical fuse links

Operational class gG

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

Operational class aM

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

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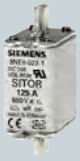
SITOR semiconductor fuse links (LV HRC design)

Operational class gS, with blade contacts without slots

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

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

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Operational class gR, with bolt-on links

				Size 000	Size 00
			Screw fixing, mounting dimension	M8, 80 mm	M10, 80 mm
					
I_n	Operating value I^2t	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
20 A	83 A^2s	7 W	0.9	3NE8714-1	–
25 A	140 A^2s	9 W	0.9	3NE8715-1	–
32 A	285 A^2s	10 W	0.9	3NE8701-1	–
40 A	490 A^2s	12 W	0.9	3NE8702-1	–
50 A	815 A^2s	15 W	0.9	3NE8717-1	–
80 A	3200 A^2s	23 W	On req.	–	3NE8020-3MK
100 A	5200 A^2s	29 W	On req.	–	3NE8021-3MK
Further information					
Catalog LV 10				For further currents for operational class aR, see page 7/48	For further currents for operational class aR, see page 7/48

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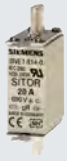
SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with blade contacts without slots

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

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

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

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

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

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Size 2		Size 3		Size 3	Size 2 × 3	Size 3 × 3
M10, 110 (90) mm	M10, 170 mm	M10, 110 mm		M12, 110 mm	M12, 110 mm [2]	M12, 110 mm [2]
						
U_n AC/DC 690 V [1]	U_n AC/DC 1500/1000 V	U_n AC/DC 500 V [1]	690 V [1]	U_n AC/DC 690 V [1]	U_n AC/DC 690 V [1]	U_n AC/DC 690 V [1]
–	–	–	–	–	–	–
–	3NE5302-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5317-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5318-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8423-3C	–	–	–
–	–	3NC2423-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8425-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2425-3C	–	–	–	–
–	–	–	3NC8427-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2427-3C	–	–	–	–
–	–	3NC2428-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8431-3C	–	–	–
3NE1331-3	–	–	–	–	–	–
–	–	3NC2431-3C	–	–	–	–
3NE1332-3	–	–	–	–	–	–
3NE1333-3	–	–	–	–	–	–
3NE1334-3	–	–	–	–	–	–
–	–	–	3NC8434-3C	–	–	–
–	–	–	–	3NE1435-3	–	–
–	–	–	–	3NE1436-3	–	–
–	–	–	–	3NE1447-3	–	–
–	–	–	–	3NE1437-3	–	–
–	–	–	–	3NE1438-3	–	–
–	–	–	–	3NE1448-3	–	–
–	–	–	–	–	3NB3350-1KK26	–
–	–	–	–	–	3NB3351-1KK26	–
–	–	–	–	–	3NB3352-1KK26	–
–	–	–	–	–	3NB3354-1KK26	–
–	–	–	–	–	3NB3355-1KK26	–
–	–	–	–	–	3NB3357-1KK26	–
–	–	–	–	–	–	3NB3358-1KK27
–	–	–	–	–	3NB3358-1KK26	–
–	–	–	–	–	–	3NB3362-1KK27
–	–	For further currents for operational class aR, see page 7/52	For further currents for operational class aR, see page 7/52	For further currents for operational class aR, see page 7/52	–	–

System overview, page 7/4

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	Operating value I^2t	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
63 A	1550 A^2s	16 W	0.95	3NE8718-1	–
80 A	2700 A^2s	18 W	0.9	3NE8720-1	–
100 A	4950 A^2s	19 W	0.95	3NE8721-1	–
125 A	9100 A^2s	23 W	0.95	3NE8722-1	–
160 A	17000 A^2s	31 W	0.9	3NE8724-1	–
200 A	30000 A^2s	36 W	0.9	3NE8725-1	–
250 A	55000 A^2s	42 W	0.9	3NE8727-1	–
315 A	85500 A^2s	54 W	0.85	3NE8731-1	–
350 A	135000 A^2s	58.8 W	On req.	–	3NE8031-3MK
400 A	170000 A^2s	74.5 W	On req.	–	3NE8032-3MK
Further information					
Catalog LV 10				For further currents for operational class gR, see page 7/43	For further currents for operational class gR, see page 7/43

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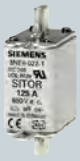
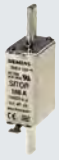
System overview, page 7/4

Operational class aR, with blade contacts without slots

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

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

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System overview, page 7/4

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	Operating value I^2t	Power loss P_v	Varying load factor WL	U_n AC/DC 500 V [1]	U_n AC/DC 690/440 V	U_n AC/DC 1000/– V [1]	1000/600 V
80 A	3900 A^2s	42 W	On req.	–	–	–	–
100 A	3200 A^2s	25 W	On req.	–	3NE8221-3MK	–	–
	4800 A^2s	28 W	0.95	–	–	3NE3221	–
	8700 A^2s	45 W	On req.	–	–	–	–
125 A	6000 A^2s	28 W	On req.	–	3NE8222-3MK	–	–
	7200 A^2s	36 W	0.95	–	–	3NE3222	–
	11800 A^2s	59 W	On req.	–	–	–	–
160 A	10500 A^2s	35 W	On req.	–	3NE8224-3MK	–	–
	13000 A^2s	42 W	1.0	–	–	3NE3224	–
	37000 A^2s	54 W	On req.	–	–	–	–
200 A	17500 A^2s	42 W	On req.	–	3NE8225-3MK	–	–
	30000 A^2s	42 W	1.0	–	–	3NE3225	–
	70000 A^2s	56 W	On req.	–	–	–	–
250 A	28500 A^2s	53.5 W	On req.	–	3NE8227-3MK	–	–
	29700 A^2s	105 W	0.85	–	–	–	–
	48000 A^2s	50 W	1.0	–	–	3NE3227	–
	165000 A^2s	59 W	On req.	–	–	–	–
315 A	53500 A^2s	61 W	On req.	–	3NE8230-3MK	–	–
	60700 A^2s	120 W	0.85	–	–	–	–
	80000 A^2s	60 W	0.95	–	–	3NE3230-0B	–
	250000 A^2s	76 W	On req.	–	–	–	–
	300000 A^2s	245 W	On req.	–	–	–	–
350 A	66000 A^2s	69 W	On req.	–	3NE8231-3MK	–	–
	100000 A^2s	75 W	0.95	–	–	3NE3231	–
400 A	110000 A^2s	70.5 W	On req.	–	3NE8232-3MK	–	–
	135000 A^2s	80 W	1.0	–	–	–	–
		85 W	0.9	–	–	3NE3232-0B	–
	390000 A^2s	50 W	0.85	3NC2432-0C	–	–	–
	470000 A^2s	89 W	On req.	–	–	–	–
450 A	175000 A^2s	90 W	1.0	–	–	–	–
		95 W	0.9	–	–	3NE3233	–
	180000 A^2s	71 W	On req.	–	3NE8233-3MK	–	–
	191000 A^2s	140 W	0.85	–	–	–	–
500 A	215000 A^2s	84 W	On req.	–	3NE8234-3MK	–	–
	260000 A^2s	90 W	1.0	–	–	–	–
	276000 A^2s	155 W	0.85	–	–	–	–
	500000 A^2s	105 W	On req.	–	–	–	3NE3234-0MK08
	800000 A^2s	109 W	On req.	–	–	–	–
550 A	290000 A^2s	87 W	On req.	–	3NE8235-3MK	–	–
	700000 A^2s	110 W	On req.	–	–	–	3NE3235-0MK08
560 A	360000 A^2s	95 W	1.0	–	–	–	–
630 A	440000 A^2s	96 W	On req.	–	3NE8236-3MK	–	–
	600000 A^2s	100 W	1.0	–	–	–	–
	850000 A^2s	127 W	On req.	–	–	–	3NE3236-0MK08
	1100000 A^2s	163 W	On req.	–	–	–	–
710 A	800000 A^2s	105 W	1.0	–	–	–	–
	923000 A^2s	155 W	0.95	–	–	–	–
800 A	850000 A^2s	130 W	0.95	–	–	–	–
900 A	920000 A^2s	165 W	0.95	–	–	–	–
Further information							
Catalog LV 10				For further currents for operational class gR, see page 7/46	–	–	–

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

Size 2

M10, 110 mm					M10, 170 mm	M10, 190 mm	M12, 260 mm
							
U_n AC/DC					U_n AC/DC	U_n AC/DC	U_n AC/DC
690/– V [1]	800/– V [1]	800 V [1]	900/– V [1]	1000/– V [1]	1500/1000 V	1500/1000 V	–/3000 V
–	–	–	–	–	3NE5320-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5321-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5322-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5324-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5325-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	3NE4327-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5327-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	3NE4330-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5330-0MK06	–	–
–	–	–	–	–	–	–	3NE9330-0MK07
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3332-0B	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5332-0MK06	–	–
–	–	–	–	3NE3333	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	3NE4333-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3334-0B	–	–	–
–	–	3NE4334-0B	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5334-0MK06	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3335	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	3NE3336	–	–	–
–	–	–	–	–	–	–	–
–	–	–	–	–	3NE5336-0MK06	3NE5336-0MK66	–
–	–	–	3NE3337-8	–	–	–	–
–	–	3NE4337	–	–	–	–	–
–	3NE3338-8	–	–	–	–	–	–
3NE3340-8	–	–	–	–	–	–	–
–	–	–	–	–	For further currents for operational class gR, see page 7/46	–	–

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

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

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M12, 80 mm		M12, 110 mm				M12, 140 mm	M12, 210 mm		M12, 260 mm
							 		
U_n AC/DC 500 V [1]	690 V [1]	U_n AC/DC 800 V [1]	1000 V [1]	1100 V [1]	1250 V [1]	U_n AC/DC 1000 V [1]	U_n AC/DC 1500 V [1]	2000 V [1]	U_n AC/DC 2500 V [1]
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9622-1C
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–		–	–	–	3NC3430-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	3NC3432-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9632-1C
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	3NE5433-1C	–	–
–	–	–	–	–	–	–	–	3NE7633-1U	–
–	–	–	–	–	3NC3434-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9634-1C
–	–	–	–	–	–	–	–	3NE7648-1U	–
–	–	–	–	–	–	–	–	–	–
–	3NC3236-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3336-1U	–	–	–	–	–	–
–	–	–	–	–	3NC3436-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	3NE7636-1U	–
–	–	–	–	–	–	–	–	–	3NE9636-1C
–	3NC3237-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3337-1U	–	–	–	–	–	–
–	–	–	–	–	–	3NE3637-1C	–	–	–
–	–	–	–	–	–	–	–	3NE7637-1U	–
–	3NC3238-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3338-1U	–	–	–	–	–	–
–	–	–	–	3NC3438-1U	–	–	–	–	–
–	3NC3240-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3340-1U	–	–	–	–	–	–
–	3NC3241-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3341-1U	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	3NC3242-1U	–	–	–	–	–	–	–	–
–	–	3NC3342-1U	–	–	–	–	–	–	–
–	3NC3243-1U	–	–	–	–	–	–	–	–
–	–	3NC3343-1U	–	–	–	–	–	–	–
3NC3244-1U	–	–	–	–	–	–	–	–	–
3NC3245-1U	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–

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SITOR 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/DC 1000/– V	U_n AC/DC 500/– V	690/– V
315 A	72500 A^2s	80 W	0.95	–	–	–
400 A	163000 A^2s	95 W	0.95	–	–	–
450 A	488000 A^2s	110 W	1.0	3NE3635-6	–	–
500 A	290000 A^2s	115 W	0.90	–	–	–
630 A	244000 A^2s	125 W	0.9	–	–	3NC3236-6U
	418000 A^2s	130 W	0.90	–	–	–
	650000 A^2s	120 W	0.95	–	–	–
710 A	346000 A^2s	130 W	0.9	–	–	3NC3237-6U
	569000 A^2s	140 W	0.90	–	–	–
800 A	498000 A^2s	135 W	0.95	–	–	3NC3238-6U
	819000 A^2s	150 W	0.90	–	–	–
	985000 A^2s	145 W	0.95	–	–	–
900 A	677000 A^2s	140 W	0.95	–	–	3NC3240-6U
	1160000 A^2s	160 W	0.95	–	–	–
1000 A	975000 A^2s	145 W	1.0	–	–	3NC3241-6U
	1670000 A^2s	165 W	0.95	–	–	–
1100 A	1382000 A^2s	150 W	1.0	–	–	3NC3242-6U
	1910000 A^2s	175 W	0.95	–	–	–
1250 A	1990000 A^2s	155 W	1.0	–	–	3NC3243-6U
	2600000 A^2s	185 W	0.95	–	–	–
1400 A	2100000 A^2s	175 W	1.0	–	3NC3244-6U	–
1600 A	2860000 A^2s	195 W	0.95	–	3NC3245-6U	–

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

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SITOR 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	Operating value I^2t	Power loss P_v	Varying load factor WL	U_n AC 600 V	U_n AC 1000 V
50 A	1100 A^2s	20 W	0.85	–	3NE4117-5
850 A	2480000 A^2s	85 W	1.0	3NE9440-6	–

Operational class aR, special designs

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

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

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SITOR semiconductor fuse links (LV HRC design)

DC fuses, operational class gR, with slotted blade contacts

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

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

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DC fuses, operational class aR, with slotted blade contacts

				Size 1L	Size 2L	Size 3L	Size 2 × 3L	Size 3 × 3L
			Screw fixing	M12	M12	M12	M12	M12
								
I_n	Operating value I^2t at U_{VSI} 1500 V [2]	Power loss P_v	Varying load factor WL	U_n DC/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

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

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SITOR semiconductor fuse links (cylindrical fuse design)

Cylindrical fuses, operational class gS

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

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SITOR semiconductor fuse links (cylindrical fuse design)

Operational class gR

			Size 10 × 38 mm		Size 14 × 51 mm			
								
I_n	Operating value I^2t	Power loss P_v	U_n AC/DC 690/440 V	690/250 V	U_n AC/DC 690/700 V [1]	690/600 V	690/440 V	690/250 V
6 A	3.5 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								
Catalog LV 10			–	–	–	–	–	–

[1] DC voltage according to UL

System overview, page 7/4

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	–	–	–
–	–	–	–	For further currents for operational class gG, see page 7/59 Operational class aR, see page 7/62	–	–

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

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

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

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Photovoltaic cylindrical fuse links

Operational class gPV

			Size 10 × 38 mm	Size 10 × 85 mm	
					
I_n DC	Power loss P_v	Power loss P_v at 70% [1]	U_n DC 1000 V	U_n DC 1200 V	1500 V
2 A	1.4 W	0.6 W	3NW6002-4	–	–
	2.7 W	1.1 W	–	–	3NW6604-4
4 A	1.6 W	0.7 W	3NW6004-4	–	–
	3.0 W	1.2 W	–	–	3NW6601-4
6 A	1.7 W	0.7 W	3NW6001-4	–	–
	3.6 W	1.5 W	–	–	3NW6608-4
8 A	1.9 W	0.8 W	3NW6008-4	–	–
	3.7 W	1.6 W	–	–	3NW6603-4
10 A	2.3 W	1.0 W	3NW6003-4	–	–
	3.3 W	1.4 W	–	–	3NW6606-4
12 A	2.7 W	1.1 W	3NW6006-4	–	–
	3.7 W	1.6 W	–	–	3NW6605-4
16 A	3.2 W	1.3 W	3NW6005-4	–	–
	4.0 W	1.7 W	–	3NW6607-4	–
20 A	3.4 W	1.4 W	3NW6007-4	–	–

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

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Class CC fuse links

Acc. to UL

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

[1] American English wording

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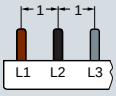
Busbars

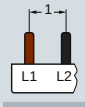
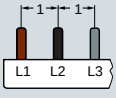
According to IEC and UL, can be cut

Pin spacing 1 MW

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

According to UL 508, can be cut

Pin spacing 1 MW

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

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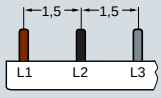
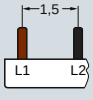
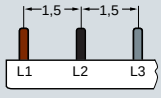
According to IEC and UL, can be cut

Pin spacing 1.5 MW

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

According to UL 508, can be cut

Pin spacing 1.5 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For fuse holders 14 × 51 mm (3NC1491, 3NW7111)	1000 mm	Without end caps	18 mm²	5ST3703-0HG
				25 mm²	5ST3701-2HG
Two-phase					
	For fuse holders 14 × 51 mm (3NC1492, 3NW7121)	1000 mm	Without end caps	25 mm²	5ST3705-2HG
3-phase					**Article No.**
	For fuse holders 14 × 51 mm (3NC1493, 3NW7131)	1000 mm	Without end caps	18 mm²	5ST3714-0HG
				25 mm²	5ST3710-2HG

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Busbars

Accessories

For busbars according to IEC

Terminals

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

	Terminal version	Conductor cross-section	Article No.
	Terminal version S	2 ... 25 mm²	5SH5327
	Terminal versions B and K	6 ... 25 mm²	5SH5328

Bus-mounting terminal

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

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

Touch protection

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

Article No.
5ST3655

End caps

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

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For busbars according to UL 508

Terminals according to UL 508

	Version	Infeed	Article No.
	For busbars 35 mm²	Device	5ST3770-0HG
	For busbars 30 mm²	Busbar	5ST3770-1HG

Busbar touch protection according to UL 508

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

Article No.
5ST3655-0HG

End caps for 5ST37. .-.HG

	Version	Article No.
	For single-phase busbars	5ST3748-0HG
	For two- and three-phase busbars	5ST3750-0HG

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System overview, page 7/4

LV HRC signal detectors, electronic fuse monitoring

LV HRC signal detectors

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

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

Signal detector links

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

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

Signal detector tops

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

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

Electronic fuse monitor

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

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

Electronic fuse monitoring for remote display of tripped fuses

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

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

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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 Germany

For customers with a seat or registered office in Germany, 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 installation work the „General Conditions for Erection Works – Germany"[1] („Allgemeine Montagebedingungen – Deutschland" (currently only available in German)) and/or
- 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 other supplies and/or services the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1]. In case such supplies and/or services 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 Germany

For customers with a seat or registered office outside Germany, 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 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.

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.

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 labeled with „AL" unequal „N" are subject to European / national export authorization. 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.

[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

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 must comply with all applicable national and international (re-)export control regulations.

If required for the purpose of conducting export control checks, you (upon request by us) shall promptly provide us with all information pertaining to the particular end customer, final disposition and intended use of goods delivered by us respectively works and services provided by us, as well as to any export control restrictions existing in this relation.

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.

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	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/industrymall
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
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

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-B1-7600)
Print (E86060-K8280-A101-A6-7600)

LV 14
Power Monitoring Made Simple
SENTRON

PDF/Print (E86060-K1814-A101-A6-7600)

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

PDF (E86060-K8280-E347-A4-7600)

ET D1
Switches and Socket Outlets
DELTA

PDF

IC 10
Industrial Controls
SIRIUS

PDF/Print (E86060-K1010-A101-B1-7600)

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

Training for Industry
SITRAIN

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

Get more information

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100 Technology Drive
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United States

PDF (Extract from E86060-K8280-A101-B1-7600)
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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.

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