

Introduction

Overview

Application

LV HRC fuses are used for installation systems in non-residential, commercial and industrial buildings as well as in the switchboards of power supply companies.

Fuses protect cables and wiring from overloading and short-circuit currents.

In addition to this, they are suitable for protecting equipment and devices. They, for example, protect

- motors in case of transient operational overloading
- and provide protection against occasionally occurring short-circuits.

They protect human beings in fault conditions against inadmissible touch voltages in TN and TT networks.

They provide back-up protection for miniature circuit-breakers and residual-current operated circuit-breakers. The high degree of selectivity guarantees optimum protection in radial and meshed networks.

Fuse systems

Within the low-voltage range of up to 1000 V, fuse systems are distinguished as follows:

- Fuses systems which can be operated by non-specialists such as: **NEOZED** and **DIAZED**, whose design guarantees "non-interchangeability of the rated current" and touch protection.
- Fuse systems that can only be handled by specialists such as: **LV HRC fuses**, where neither "non-interchangeability of the rated current" as a result of the design nor touch protection is required.

Sizes

The sizes of low-voltage fuses and e.g. the non-interchangeability for operation by non-specialists are defined in DIN VDE 0636.

- NEOZED fuses are available in the sizes D01, D02 and D03
- DIAZED fuses are available in the sizes E 16, DII, DIII and DIV
- LV HRC fuses are available in the sizes 000, 00, 0, 1, 2, 3, 4 and 4a

Utilization categories

The utilization categories of low-voltage fuses are defined in the IEC 60269 standard. Utilization category gG is defined for cable and conductor protection.

According to DIN VDE 0636, the previous designation for cable and line protection was gL, whereas gG is presently valid. In this catalog, the designation gL/gG will be consistently used to avoid misunderstanding during the transitional period.

The utilization category aM for switchgear protection in the short-circuit range is defined equally according to IEC 60269 and DIN VDE 0636.

Planning, characteristics

Detailed data and characteristics are available on the Internet at www.siemens.de/installationstechnik to assist in planning.

Technical specifications

		MINIZED screw connection	MINIZED withdrawable- unit design	NEOZED	DIAZED	LV HRC fuses	SITOR	Cylindrical fuses
Standards		DIN VDE 0638 EN 60947-3		DIN VDE 0636 DIN VDE 0680 IEC 60269 EN 60269	DIN VDE 0635 DIN VDE 0636 DIN VDE 0680 IEC 60269 IEC 60241 CEE 16 EN 60269	DIN VDE 0636 DIN VDE 0680 IEC 60269 EN 60269	DIN VDE 0636 IEC 60269 EN 60269	IEC 60269 NF C 60200 NF C 63210 NF C 63211 NBN C 63269-2-EN-2-1 CEI 32-4
Dimensions		DIN 43880		DIN VDE 49522 DIN VDE 49523 DIN VDE 49524 DIN VDE 49525	DIN VDE 49510 DIN VDE 49511 DIN VDE 49514 DIN VDE 49515 DIN VDE 49516	DIN 43620	DIN 43620 DIN 43623	IEC 60269-2-1
Utilization categories		gL/gG			gL/gG, gR slow, quick	gL/gG, aM	aR, gR	gG, aM
Rated voltage	AC V	400/415	400	400	500/690/750	500/690	600/690/1000	400/500
	DC V	48/110	48/110	250	500/600/750	250/440		
Rated current range	A	2 ... 63		2 ... 100		2 ... 1250	16 ... 630	0.5 ... 100
Rated breaking capacity	AC kA	50			50, 40 (E16), 8, 1.6 (E16)	120	> 50	
	DC kA	8				25		
Mounting position		any, but preferably vertical	preferably vertical	any, but preferably vertical				
Resistance to climate	°C	up to 45 at 95 % rel. humidity				-30 ... +50 at 95 % rel. humidity		up to 45 at 95 % rel. humidity
Non-interchangeability		using adapter sleeves			using screw adapters	not required		

Selection and ordering data

	Number of poles	Size	Rated current I_n A	MW	DC	Order No.	Pack. unit*	Weight per unit approx. kg
NEOZED fuse disconnectors								
	Withdrawable-unit design, FR1 box terminal, 70 mm mounting depth							
	1-pole	D01	16	1	A	5SG7 610	12	0.070
	1-pole + N	D01	16	2	A	5SG7 650	6	0.150
	2-pole	D01	16	2	A	5SG7 620	6	0.150
	3-pole	D01	16	3	A	5SG7 630	4	0.220
	3-pole + N	D01	16	4	A	5SG7 660	3	0.300
MINIZED switch disconnectors								
	Withdrawable-unit design, FR1 box terminal, 55 mm mounting depth							
	1-pole	D01	16	1	A	5SG7 713	3	0.080
	1-pole + N	D01	16	2	A	5SG7 753	2	0.150
	2-pole	D01	16	2	A	5SG7 723	2	0.160
	3-pole	D01	16	3	A	5SG7 733	1	0.254
	3-pole + N	D01	16	4	A	5SG7 763	1	0.310
	Withdrawable-unit design, FR2 box terminal, 70 mm mounting depth							
	1-pole	D02	63	1.5	A	5SG7 112	3	0.132
	1-pole + N	D02	63	3	A	5SG7 152	2	0.265
	2-pole	D02	63	3	A	5SG7 122	2	0.226
	3-pole	D02	63	4.5	A	5SG7 132	1	0.410
	3-pole + N	D02	63	6	A	5SG7 162	1	0.520
	Auxiliary switch for MINIZED D02 switch disconnector for switch position indication and for retrofitting on the right side using factory-installed terminals Contact: AC 230 V, 6 A AC 24 V, 50 mA DC 24 V, 50 mA							
				0.5	A	5SH5 528	10	0.050
NEOZED bases								
	Degree of protection BGV A2, FR1 box terminal, 70 mm mounting depth							
	1-pole	D01	16	1.5	A	5SG1 300	6	0.150
	3-pole	D01	16	4.5	A	5SG5 300	2	0.450
	1-pole	D02	63	1.5	A	5SG1 700	6	0.150
	3-pole	D02	63	4.5	A	5SG5 700	2	0.450
	Molded plastic, R box terminal, with cover, 70 mm mounting depth							
	1-pole	D01	16	1.5	A	5SG1 330	15	0.068
	3-pole	D01	16	4.5	A	5SG5 330	5	0.216
	1-pole	D02	63	1.5	A	5SG1 730	15	0.087
	3-pole	D02	63	4.5	A	5SG5 730	5	0.252
	Ceramic with cover, 70 mm mounting depth							
	BB: Incoming terminal; clamp-type terminal, outgoing terminal; clamp-type terminal							
	1-pole	D01	16	1.5	X	5SG1 553	20	0.083
	3-pole	D01	16	4.5	X	5SG5 553	5	0.263
	SS: Incoming/outgoing terminal; clamp-type terminal							
	1-pole	D02	63	1.5	X	5SG1 653	20	0.093
	3-pole	D02	63	4.5	X	5SG5 653	5	0.293
	KS: Incoming terminal; screw-head contact, outgoing terminal; clamp-type terminal							
	1-pole	D02	63	1.5	X	5SG1 693	20	0.090
	3-pole	D02	63	4.5	X	5SG5 693	5	0.290

BETA Fuses and Fuse Systems

NEOZED fuses

Selection and ordering data

Design	Size	For fuses up to	Identification color	DC	Order No.	Pack. unit*	Weight per unit approx.
		A					kg
Mounting parts for MINIZED D02 switch disconnectors							
	Adapter sleeve for non-interchangeable mounting of NEOZED D02 fuse links	20	blue	A	5SH5 521	50	0.001
		25	yellow	A	5SH5 522	50	0.001
		35	black	A	5SH5 523	50	0.001
		50	white	A	5SH5 524	50	0.001
	Adapter for adaption of D01/D02			A	5SH5 520	20	0.020
Mounting parts for NEOZED fuses							
	NEOZED adapter sleeves D01	2	pink	A	5SH5 002	50	0.001
		4	brown	A	5SH5 004	50	0.001
		6	green	A	5SH5 006	50	0.001
		10	red	A	5SH5 010	50	0.001
	D02	20	blue	A	5SH5 020	50	0.001
		25	yellow	A	5SH5 025	50	0.001
		35	black	A	5SH5 035	50	0.001
		50	white	A	5SH5 050	50	0.001
	for adaption of NEOZED D01 fuse links from 2 A ... 16 A, which are mounted in NEOZED D02 bases D02	2	pink	A	5SH5 402	50	0.001
		4	brown	A	5SH5 404	50	0.001
		6	green	A	5SH5 406	50	0.001
		10	red	A	5SH5 410	50	0.001
	D02	16	gray	A	5SH5 416	50	0.001
Mounting parts for NEOZED retaining springs							
	for adaptation of NEOZED D02 screw caps in order to adapt NEOZED D01 fuse links D02	2 ... 16		A	5SH5 400	25	0.001
NEOZED adapter key							
	according to DIN VDE 0680			A	5SH5 100	1	0.016

Size	Length	Conductor cross-section	rated up to	for terminals	MW	DC	Order No.	Pack. unit*	Weight per unit approx.
	approx. mm	mm ²	A						kg
Busbars									
	Fork-type terminals, non-insulated								
	1-phase								
	D01	1000	20	116	R, K	1.5	A	5SH5 321	50 0.214
	Fork-type terminals, insulated								
	1-phase								
	D01/D02	1000	24	160	R, FR2, K	1.5	A	5SH5 517	50 0.550
	3-phase								
	D01/D02	1000	16	120	R, K	1.5	A	5SH5 320	20 0.843
	D01/D02	1000	16	120	FR2, K	1.5	A	5SH5 515	10 0.584
	Pins, insulated								
	1-phase								
	D01/D02	1000	16	130	S	1.5	A	5SH5 324	50 0.320
	3-phase								
	D01/D02	1000	16	120	S	1.5	A	5SH5 323	20 0.843
	D01	1000	16	120	FR1	1	A	5SH5 512	15 0.630
	D01								
		216	16	120	FR2, K	1.5	A	5ST2 204	25 0.090

Selection and ordering data

Size	Rated current I_n	Identification color	DC	Order No.	Pack. unit*	Weight per unit approx.	
A						kg	
End caps							
	for 5SH5 320, 5SH5 323, 5SH5 512, 5ST2 204		A	5SH5 514	10	0.001	
	for 5SH5 515, 5SH5 517, 5SH5 324		A	5ST2 156	10	0.017	
Busbar terminals							
	non-insulated, fork-type terminal for conductors from 6 mm ² ... 25 mm ²		A	5SH5 325	50	0.012	
	insulated, fork-type terminal for conductors from 6 mm ² ... 25 mm ²		A	5SH5 328	10	0.014	
	insulated, pin for conductors from 2 mm ² ... 25 mm ²		A	5SH5 327	10	0.014	
	non-insulated, fork-type terminal for conductors from 2 mm ² ... 16 mm ²		A	5SH5 326	10	0.016	
NEOZED screw caps							
	molded plastic, with inspection hole		A	5SH4 116	20	0.007	
	D01 16		A	5SH4 163	20	0.008	
	ceramic, sealable		A	5SH4 316	20	0.014	
	D01 16		A	5SH4 363	20	0.015	
	ceramic, with inspection hole		A	5SH4 317	20	0.014	
	D01 16		A	5SH4 362	20	0.017	
NEOZED fuse links							
AC 50 kA, DC 8 kA; AC 400 V, DC 250 V Utilization category gL/gG for cable and conductor protection							
	D01	2	pink	A	5SE2 202	50	0.006
		4	brown	A	5SE2 204	50	0.006
		6	green	A	5SE2 206	50	0.006
		10	red	A	5SE2 210	50	0.007
		16	gray	A	5SE2 216	50	0.007
	D02	20	blue	A	5SE2 220	50	0.012
		25	yellow	A	5SE2 225	50	0.013
		35	black	A	5SE2 235	50	0.014
		50	white	A	5SE2 250	50	0.015
		63	copper	A	5SE2 263	50	0.016
Package of 10, fuse links, can be removed individually							
	D01	2	pink	A	5SE2 302	10	0.006
		4	brown	A	5SE2 304	10	0.006
		6	green	A	5SE2 306	10	0.006
		10	red	A	5SE2 310	10	0.007
		13	black	X	5SE2 013-2A	50	0.007
		16	gray	A	5SE2 316	10	0.007
	D02	20	blue	A	5SE2 320	10	0.012
		25	yellow	A	5SE2 325	10	0.013
		32	black	A	5SE2 235	50	0.014
		35	black	A	5SE2 335	10	0.014
		40	black	A	5SE2 340	10	0.014
		50	white	A	5SE2 350	10	0.015
		63	copper	A	5SE2 363	10	0.016

* This quantity or a multiple thereof can be ordered.

BETA Fuses and Fuse Systems

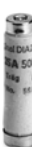
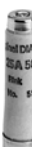
DIAZED fuses

Selection and ordering data

- NDz, DII, DIII
- AC/DC 500 V
- with snap-on mounting

	Terminal	Rated current <i>I_n</i>	Conductor cross-section	Base width	Thread	DC	Order No.	Pack. unit*	Weight per unit approx. kg	
	Size	A	up to mm ²	mm						
DIAZED bases										
	KK: Incoming/outgoing terminal; screw-head contact									
	NDz	25	6	29	E 16	A	5SF1 012	20	0.060	
	KB: Incoming terminal; clamp-type terminal, outgoing terminal; clamp-type terminal									
	DII	25	10	38	E 27	A	5SF1 005	15	0.093	
	BS: Incoming terminal; clamp-type terminal, outgoing terminal; clamp-type terminal									
	DIII	63	25	46	E 33	A	5SF1 205	15	0.191	
	SS: Incoming/outgoing terminal; clamp-type terminal									
	DIII	63	25	46	E 33	A	5SF1 215	15	0.154	
DIAZED cover rings										
	made of porcelain									
	NDz			33	E 16	A	5SH3 30	100	0.020	
	DIAZED protective cover									
	made of molded plastic, not suitable for SILIZED fuse links									
	DII			41	E 27	A	5SH2 032	20	0.017	
	(5 devices, approx. 11.5 MW)									
	DIII			53	E 33	A	5SH2 232	20	0.020	
	(4 devices, approx. 12 MW)									
DIAZED-busbars										
	made of copper, oblong hole design for DIAZED flush mounting fuse base									
	for DII 12 mm x 2 mm, Length 1023 mm, for max. 25 bases, rated up to 80 A					C	5SH3 500	25	0.095	
	for DIII 13 mm x 3 mm, Length 967 mm, for max. 19 bases, rated up to 120 A					C	5SH3 501	25	0.180	
	Terminal clamp for busbar connection (the supplied terminal clamp for cable con-					C	5SH3 503	25	0.005	
nection must be removed)										
DIAZED screw adapters for DIAZED and SILIZED fuse links										
	NDz	2			E 16	A	5SH3 28	100	0.002	
		4				A	5SH3 31	100	0.002	
		6				A	5SH3 05	100	0.002	
		10				A	5SH3 06	100	0.002	
		16				A	5SH3 07	100	0.002	
	DII suitable for mounting in DIAZED fuse bases, AC/DC 750 V	2			E 27	A	5SH3 10	25	0.015	
		4				A	5SH3 11	25	0.015	
		6				A	5SH3 12	25	0.015	
		10				A	5SH3 13	25	0.015	
		16				A	5SH3 14	25	0.014	
		20				A	5SH3 15	25	0.012	
		25				A	5SH3 16	25	0.012	
	DIII AC/DC 750 V	35			E 33	A	5SH3 17	25	0.019	
		50				A	5SH3 18	25	0.018	
		63				A	5SH3 20	25	0.017	
	DIAZED adapter sleeve fitter for DII/DIII AC/DC suitable up to 750 V					A	5SH3 703	1	0.025	

Selection and ordering data

Size	Rated current I_n	Identification color	Thread	DC	Order No.	Pack. unit*	Weight per unit approx.	
	A						kg	
DIAZED screw caps								
	made of molded plastic, not suitable for SILIZED fuse links with inspection hole, gray							
	DII	25	E 27	A	5SH1 221	20	0.026	
	DIII	63	E 33	A	5SH1 231	20	0.042	
	ceramic NDz	25	E 16	A	5SH1 11	50	0.016	
	ceramic with inspection hole, sealable							
	DII	25	E 27	A	5SH1 22	50	0.050	
	DIII	63	E 33	A	5SH1 23	50	0.080	
	for rated voltage AC 690 V, DC 600 V only for 5SD8 DIAZED fuse links, made of ceramic, prolonged version							
	DIII	63	E 33	A	5SH1 170	25	0.086	
DIAZED fuse links								
AC 50 kA, DC 8 kA; AC 500 V, DC 500 V								
	Characteristic slow							
	TNDz	2	pink	E 16	A	5SA2 11	20	0.013
		4	brown		A	5SA2 21	20	0.013
		6	green		A	5SA2 31	20	0.013
		10	red		A	5SA2 51	20	0.013
		16	gray	E 16	A	5SA2 61	20	0.013
		20	blue		A	5SA2 71	20	0.015
		25	yellow		A	5SA2 81	20	0.016
	Characteristic quick							
	NDz	2	pink	E 16	A	5SA1 11	20	0.013
		4	brown		A	5SA1 21	20	0.013
		6	green		A	5SA1 31	20	0.013
		10	red		A	5SA1 51	20	0.013
	NDz	16	gray	E 16	A	5SA1 61	20	0.013
		20	blue		A	5SA1 71	20	0.015
		25	yellow		A	5SA1 81	20	0.016
For 5SB1 41, a DIAZED screw adapter for 6 A is used.								
	DII	2	pink	E 27	A	5SB1 11	5	0.026
		4	brown		A	5SB1 21	5	0.026
		6	green		A	5SB1 31	5	0.026
	DII	10	red	E 27	A	5SB1 41	5	0.026
		10	red		A	5SB1 51	5	0.027
		16	gray		A	5SB1 61	5	0.028
	DII	20	blue	E 27	A	5SB1 71	5	0.029
		25	yellow		A	5SB1 81	5	0.031
	DIII	35	black	E 33	A	5SB3 11	5	0.050
		50	white		A	5SB3 21	5	0.051
		63	copper		A	5SB3 31	5	0.054
	Utilization category gL/gG							
	DII	2	pink	E 27	A	5SB2 11	5	0.026
		4	brown		A	5SB2 21	5	0.026
		6	green		A	5SB2 31	5	0.026
		10	red		A	5SB2 51	5	0.027
		16	gray	E 27	A	5SB2 61	5	0.028
		20	blue		A	5SB2 71	5	0.029
		25	yellow		A	5SB2 81	5	0.031

BETA Fuses and Fuse Systems

DIAZED fuses

Selection and ordering data

Size	Rated current I_n	Identification color	Thread	DC	Order No.	Pack. unit*	Weight per unit approx.
	A						kg
DIAZED fuse links							
	AC 50 kA, DC 8 kA; AC 500 V, DC 500 V						
	Utilization category gL/gG						
	DIII	32	black	E 33	A	5SB4 010	5 0.048
		35	black		A	5SB4 11	5 0.050
		50	white		A	5SB4 21	5 0.051
	63	copper		A	5SB4 31	5 0.054	
	AC 50 kA, DC 8 kA; AC 690 V, DC 600 V						
	Utilization category gL/gG						
	DIII	2	pink	E 33	A	5SD8 002	25 0.068
		4	brown		A	5SD8 004	25 0.068
		6	green		A	5SD8 006	25 0.068
DIII	10	red	E 33	A	5SD8 010	25 0.068	
	16	gray		A	5SD8 016	25 0.069	
	DIII	20	blue	E 33	A	5SD8 020	25 0.071
		25	yellow		A	5SD8 025	25 0.072
	DIII	35	black	E 33	A	5SD8 035	25 0.078
	50	white		A	5SD8 050	25 0.080	
	63	copper		A	5SD8 063	25 0.082	
DIAZED screw adapters DII are used for 2 to 25 A fuse links							
SILIZED fuse links							
	AC 500 V, DC 500 V, rotary yellow ring						
	Utilization category gR, super quick						
	DII	16	gray	E 27	A	5SD4 20	5 0.028
		20	blue		A	5SD4 30	5 0.029
		25	yellow		A	5SD4 40	5 0.031
	30			A	5SD4 80	5 0.031	
DIII	35	black	E 33	A	5SD4 50	5 0.050	
	50	white		A	5SD4 60	5 0.051	
	63	copper		A	5SD4 70	5 0.054	
for 5SD4 80 the 5SH3 16 DIAZED screw adapter for 25 A is used							

Selection and ordering data

	Design	Size	Rated current I_n	DC	Order No.	Pack. unit*	Weight per unit approx.
			A				kg
LV HRC fuse bases							
Size 0 ... 4: AC 690 V, DC 440 V, size 000 and 00: AC 690 V, DC 250 V							
	1-pole						
	Flat connection, screw	000 and 00	160	A	3NH3 030	3	0.235
	Clamp-type terminal connection	000 and 00	160	A	3NH3 031	3	0.230
	Flat connection, nut	000 and 00	160	A	3NH3 038	3	0.207
	Flat connection	0	160	A	3NH3 120	3	0.460
	Clamp-type terminal connection	1	160	A	3NH3 122	3	0.460
	Flat connection	1	250	A	3NH3 230	3	0.789
	Dual busbar connection	1	250	A	3NH3 220	3	0.789
	Flat connection	2	400	A	3NH3 330	1	0.843
	Flat connection	3	630	A	3NH3 430	1	1.100
	Dual busbar connection	3	630	A	3NH3 420	1	1.100
	Flat connection	4	1250	A	3NH3 530	1	3.000
	3-pole, with phase barriers						
	Flat connection	000 and 00	160	A	3NH4 030	1	0.700
	Clamp-type terminal connection	000 and 00	160	A	3NH4 031	1	0.800
	Flat connection	1	250	A	3NH4 230	1	2.100
LV HRC bus mounting fuse bases, 40 mm busbar spacing							
	1-pole						
	Quick-connect terminal top	000 and 00	160	A	3NH3 036	3	0.150
	Tandem version						
	for meter cabinets	000 and 00	80	A	3NH4 037	1	0.800
	with phase barriers	000 and 00	80	A	3NH4 045	1	0.800
	LV HRC fuse bases with slewing equipment						
	Flat connection, screw	000 and 00	160	A	3NH7 030	3	1.000
		1	250	A	3NH7 230	1	2.500
		3	630	A	3NH7 330	1	4.800
		4a	1250	A	3NH7 520	1	5.200
LV HRC contact cover							
	as touch protection for contact pieces						
		000 and 00		A	3NX3 105	20	0.013
		0		A	3NX3 114	10	0.010
		1		A	3NX3 106	20	0.027
		2		A	3NX3 107	20	0.031
		3		A	3NX3 108	20	0.038
LV HRC partitions							
	for LV HRC fuse bases when mounting side by side and as end barrier when arranging side by side						
	Type						
	3NH3 0/3NH4 0	000 and 00		A	3NX2 023	20	0.025
	3NH3 1	0		A	3NX2 030	10	0.050
	3NH3 2	1		A	3NX2 024	20	0.053
	3NH3 3	2		A	3NX2 025	10	0.066
	3NH3 4	3		A	3NX2 026	10	0.101

BETA Fuses and Fuse Systems

LV HRC fuses

Selection and ordering data

Design	Size	DC	Order No.	Pack. unit*	Weight per unit approx.
kg					
Mounting parts for LV HRC fuses					
	LV HRC signal detector for LV HRC fuse links with non-insulated grip lugs in size 000 ... 4a, Rated voltage up to AC 690 V				
		A	3NX1 021	4	0.36
	Signal detector link Response value > 9 V; 2.5 A; for standard applications Response value > 2 V; 7 A; only for meshed systems				
		A	3NX1 022	12	0.15
	Fuse puller for LV HRC fuse links without sleeve				
	000 ... 4	A	3NX1 013	1	0.280
	with sleeve				
	000 ... 4	A	3NX1 014	1	0.480
	Isolating link with insulated grip lugs, silver-plated, for LV HRC fuse bases and fuse switch disconnectors				
	000 and 00	A	3NG1 002	6	0.080
	0	A	3NG1 102	6	0.110
	1	A	3NG1 202	3	0.170
	2	A	3NG1 302	3	0.240
	3	A	3NG1 402	3	0.290
	with non-insulated grip lugs, size 4 tin-coated, size 4a nickel-plated				
	4	A	3NG1 503	6	0.708
	4a				
		A	3NG1 505	3	0.730
	Fuse base cover for LV HRC fuse bases according to DIN 43620 red with yellow label "Netztrennstelle" (power supply isolation point)				
	000 and 00	A	3NX1 003	10	0.050
	1, 2, 3				
		A	3NX1 004	10	0.100
	LV HRC protective cover IP2X for LV HRC fuse bases size 00 1- and 3-pole				
		A	3NX3 115	10	0.039
	LV HRC cover IP2X for LV HRC protective cover IP2X				
		A	3NX3 116	10	0.014
	LV HRC contact cover for LV HRC bus-mounting bases for mounting onto contacts to ensure protection against contact				
	Outgoing terminal	A	3NX3 105	20	0.013
	Incoming terminal				
		A	3NX3 113	20	0.006
	LV HRC partitions for LV HRC bus-mounting bases				
	Phase barrier	A	3NX2 027	20	0.017
	End barrier	A	3NX2 028	20	0.020
	for 3NH4 037 and 3NH4 047 fuse bases	A	3NX2 031	10	0.050

Selection and ordering data

	Size	Rated current	Rated voltage U_N	DC	Non-insulated grip lugs	Pack. unit*	Weight per unit approx.	DC	Insulated grip lugs	Pack. unit*	Weight per unit approx.
		I_n			Order No.				Order No.		
		A	V						kg		
LV HRC fuse links with combination alarm Utilization category gL/gG, for cable and conductor protection											
	000	2	AC 500 V, DC 250 V	A	3NA7 802	9	0.135	A	3NA6 802	9	0.135
	21 mm	4		A	3NA7 804	9	0.135	A	3NA6 804	9	0.135
		6		A	3NA7 801	9	0.135	A	3NA6 801	9	0.135
		10		A	3NA7 803	9	0.135	A	3NA6 803	9	0.136
		16		A	3NA7 805	9	0.135	A	3NA6 805	9	0.136
		20		A	3NA7 807	9	0.135	A	3NA6 807	9	0.136
		25		A	3NA7 810	9	0.135	A	3NA6 810	9	0.136
		32		A	3NA7 812	9	0.135	A	3NA6 812	9	0.136
		35		A	3NA7 814	9	0.135	A	3NA6 814	9	0.136
		40		A	3NA7 817	9	0.135	A	3NA6 817	9	0.136
		50		A	3NA7 820	9	0.135	A	3NA6 820	9	0.136
		63		A	3NA7 822	9	0.135	A	3NA6 822	9	0.136
		80		A	3NA7 824	9	0.135	A	3NA6 824	9	0.136
		100		A	3NA7 830	9	0.135	A	3NA6 830	9	0.136
	00	80	AC 500 V, DC 250 V	A	3NA7 824-7	3	0.200	A	3NA6 824-7	3	0.211
	30 mm	100		A	3NA7 830-7	3	0.200	A	3NA6 830-7	3	0.211
		125		A	3NA7 832	3	0.200	A	3NA6 832	3	0.211
		160		A	3NA7 836	3	0.200	A	3NA6 836	3	0.211
	1	16	AC 500 V, DC 440 V	A	3NA7 105	3	0.290	A	3NA6 105	3	0.290
	30 mm	20		A	3NA7 107	3	0.290	A	3NA6 107	3	0.290
		25		A	3NA7 110	3	0.290	A	3NA6 110	3	0.290
		35		A	3NA7 114	3	0.290	A	3NA6 114	3	0.290
		40		A	3NA7 117	3	0.290	A	3NA6 117	3	0.290
		50		A	3NA7 120	3	0.290	A	3NA6 120	3	0.290
		63		A	3NA7 122	3	0.290	A	3NA6 122	3	0.290
		80		A	3NA7 124	3	0.290	A	3NA6 124	3	0.290
		100		A	3NA7 130	3	0.290	A	3NA6 130	3	0.290
		125		A	3NA7 132	3	0.290	A	3NA6 132	3	0.290
		160		A	3NA7 136	3	0.290	A	3NA6 136	3	0.290
	47.2 mm	200		A	3NA7 140	3	0.424	A	3NA6 140	3	0.440
		224		A	3NA7 142	3	0.434	A	3NA6 142	3	0.440
		250		A	3NA7 144	3	0.438	A	3NA6 144	3	0.440
		2	35	AC 500 V, DC 440 V	A	3NA7 214	3	0.445	A	3NA6 214	3
	47.2 mm	50	A		3NA7 220	3	0.445	A	3NA6 220	3	0.450
		63	A		3NA7 222	3	0.445	A	3NA6 222	3	0.450
		80	A		3NA7 224	3	0.450	A	3NA6 224	3	0.450
		100	A		3NA7 230	3	0.446	A	3NA6 230	3	0.450
		125	A		3NA7 232	3	0.446	A	3NA6 232	3	0.450
		160	A		3NA7 236	3	0.446	A	3NA6 236	3	0.450
		200	A		3NA7 240	3	0.446	A	3NA6 240	3	0.450
		224	A		3NA7 242	3	0.446	A	3NA6 242	3	0.450
		250	A		3NA7 244	3	0.446	A	3NA6 244	3	0.450
		300	A		-		A	3NA6 250	3	0.650	
	57.8 mm	315	A		3NA7 252	3	0.649	A	3NA6 252	3	0.660
		355	A		-		A	3NA6 254	3	0.660	
		400	A		3NA7 260	3	0.653	A	3NA6 260	3	0.660

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

BETA Fuses and Fuse Systems

LV HRC fuses

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Insulated grip lugs	Pack. unit*	Weight per unit approx.
				Order No.		
	A	V				kg
LV HRC fuse links with combination alarm						
Utilization category gL/gG, for cable and conductor protection						
	000	10	AC 400 V, DC 250 V	A	3NA6 803-4	9 0.135
	21 mm	16		A	3NA6 805-4	9 0.135
		20		A	3NA6 807-4	9 0.135
		25		A	3NA6 810-4	9 0.135
		32		A	3NA6 812-4	9 0.135
		35		A	3NA6 814-4	9 0.135
		40		A	3NA6 817-4	9 0.135
		50		A	3NA6 820-4	9 0.135
		63		A	3NA6 822-4	9 0.135
		80		A	3NA6 824-4	3 0.135
		100		A	3NA6 830-4	3 0.135
	00	80	AC 400 V, DC 250 V	A	3NA6 824-4KK	3 0.200
	30 mm	100		A	3NA6 830-4KK	3 0.200
		125		A	3NA6 832-4	3 0.200
		160		A	3NA6 836-4	3 0.200
	1	35	AC 400 V, DC 250 V	A	3NA6 114-4	3 0.290
	30 mm	40		A	3NA6 117-4	3 0.290
		50		A	3NA6 120-4	3 0.290
		63		A	3NA6 122-4	3 0.290
	47.2 mm	80		A	3NA6 124-4	3 0.290
		100		A	3NA6 130-4	3 0.290
		125		A	3NA6 132-4	3 0.290
		160		A	3NA6 136-4	3 0.290
		200		A	3NA6 140-4	3 0.430
		224		A	3NA6 142-4	3 0.430
		250		A	3NA6 144-4	3 0.430
	2	50	AC 400 V, DC 250 V	A	3NA6 220-4	3 0.450
	47.2 mm	63		A	3NA6 222-4	3 0.450
		80		A	3NA6 224-4	3 0.450
		100		A	3NA6 230-4	3 0.450
		125		A	3NA6 232-4	3 0.450
		160		A	3NA6 236-4	3 0.450
		200		A	3NA6 240-4	3 0.450
		224		A	3NA6 242-4	3 0.450
		250		A	3NA6 244-4	3 0.450
		300		A	3NA6 250-4	3 0.650
		315		A	3NA6 252-4	3 0.650
		355		A	3NA6 254-4	3 0.650
		400		A	3NA6 260-4	3 0.650

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Non-insulated grip lugs	Pack. unit*	Weight per unit approx.	DC	Insulated grip lugs	Pack. unit*	Weight per unit approx.	
	A	V		Order No.		kg		Order No.		kg	
LV HRC fuse links with combination alarm											
Utilization category gG, for cable and conductor protection											
The 300 A fuse links do not conform to a VDE mark. They correspond to the standard, but are not permissible.											
	000	2	AC 690 V,	A	3NA7 802-6	3	0.135	A	3NA6 802-6	3	0.136
	21 mm	4	DC 250 V	A	3NA7 804-6	3	0.135	A	3NA6 804-6	3	0.136
		6		A	3NA7 801-6	3	0.135	A	3NA6 801-6	3	0.136
		10		A	3NA7 803-6	3	0.135	A	3NA6 803-6	3	0.136
		16		A	3NA7 805-6	3	0.135	A	3NA6 805-6	3	0.136
		20		A	3NA7 807-6	3	0.135	A	3NA6 807-6	3	0.136
		25		A	3NA7 810-6	3	0.135	A	3NA6 810-6	3	0.136
		32		A	3NA7 812-6	3	0.135	A	3NA6 812-6	3	0.136
		35		A	3NA7 814-6	3	0.135	A	3NA6 814-6	3	0.136
		00	40	AC 690 V,	A	3NA7 817-6	3	0.200	A	3NA6 817-6	3
30 mm		50	DC 250 V	A	3NA7 820-6	3	0.200	A	3NA6 820-6	3	0.211
		63		A	3NA7 822-6	3	0.200	A	3NA6 822-6	3	0.211
		80		A	3NA7 824-6	3	0.200	A	3NA6 824-6	3	0.211
		100		A	3NA7 830-6	3	0.200	A	3NA6 830-6	3	0.211
	1	50	AC 690 V,	A	3NA7 120-6	3	0.290	A	3NA6 120-6	3	0.290
	30 mm	63	DC 440 V	A	3NA7 122-6	3	0.290	A	3NA6 122-6	3	0.290
		80		A	3NA7 124-6	3	0.290	A	3NA6 124-6	3	0.290
		100		A	3NA7 130-6	3	0.290	A	3NA6 130-6	3	0.290
	47.2 mm	125		A	3NA7 132-6	3	0.290	A	3NA6 132-6	3	0.290
		160		A	3NA7 136-6	3	0.290	A	3NA6 136-6	3	0.290
200			A	3NA7 140-6	3	0.426	A	3NA6 140-6	3	0.440	
	2	80	AC 690 V,	A	3NA7 224-6	3	0.426	A	3NA6 224-6	3	0.450
	47.2 mm	100	DC 440 V	A	3NA7 230-6	3	0.426	A	3NA6 230-6	3	0.450
		125		A	3NA7 232-6	3	0.426	A	3NA6 232-6	3	0.450
		57.8 mm	160		A	3NA7 236-6	3	0.426	A	3NA6 236-6	3
	200			A	3NA7 240-6	3	0.426	A	3NA6 240-6	3	0.450
	224			A	3NA7 242-6	3	0.426	A	3NA6 242-6	3	0.660
	250			A	3NA7 244-6	3	0.426	A	3NA6 244-6	3	0.660
	300			A	3NA7 250-6	3	0.426	A	3NA6 250-6	3	0.660
	315			A	3NA7 252-6	3	0.660	A	3NA6 252-6	3	0.660

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

Further designs on request.

BETA Fuses and Fuse Systems

LV HRC fuses

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Non-insulated grip lugs	Pack. unit*	Weight per unit approx.
				Order No.		
	A	V				kg
LV HRC fuse links						
Utilization category gG, for cable and conductor protection						
	000 21 mm	2 4 6 10 16 20 25 32 35 40 50 63 80 100	AC 500 V, DC 250 V	A	3NA3 802	9 0.133
				A	3NA3 804	9 0.133
				A	3NA3 801	9 0.133
				A	3NA3 803	9 0.133
				A	3NA3 805	9 0.133
				A	3NA3 807	9 0.133
				A	3NA3 810	9 0.133
				A	3NA3 812	9 0.133
				A	3NA3 814	9 0.133
				A	3NA3 817	9 0.133
				A	3NA3 820	9 0.133
				A	3NA3 822	9 0.133
				A	3NA3 824	9 0.133
				A	3NA3 830	9 0.133
	00 30 mm	35 50 63 80 100 125 160	AC 500 V, DC 250 V	A	3NA3 814-7	3 0.200
				A	3NA3 820-7	3 0.200
				A	3NA3 822-7	3 0.200
				A	3NA3 824-7	3 0.200
				A	3NA3 830-7	3 0.200
				A	3NA3 832	3 0.217
				A	3NA3 836	3 0.217
	0 30 mm	6 10 16 20 25 32 35 40 50 63 80 100 125 160	AC 500 V, DC 440 V	A	3NA3 001	3 0.340
				A	3NA3 003	3 0.340
				A	3NA3 005	3 0.340
				A	3NA3 007	3 0.340
				A	3NA3 010	3 0.340
				A	3NA3 012	3 0.340
				A	3NA3 014	3 0.340
				A	3NA3 017	3 0.340
				A	3NA3 020	3 0.340
				A	3NA3 022	3 0.340
				A	3NA3 024	3 0.340
				A	3NA3 030	3 0.340
				A	3NA3 032	3 0.340
				A	3NA3 036	3 0.340
	1 30 mm	16 20 25 35 40 50 63 80 100	AC 500 V, DC 440 V	A	3NA3 105	3 0.290
				A	3NA3 107	3 0.290
				A	3NA3 110	3 0.290
				A	3NA3 114	3 0.300
				A	3NA3 117	3 0.300
				A	3NA3 120	3 0.300
				A	3NA3 122	3 0.300
				A	3NA3 124	3 0.300
				A	3NA3 130	3 0.300
				A	3NA3 132	3 0.300
	47.2 mm	125 160 200 224 250	AC 500 V, DC 440 V	A	3NA3 136	3 0.300
				A	3NA3 140	3 0.440
				A	3NA3 142	3 0.440
				A	3NA3 144	3 0.440
				A	3NA3 144	3 0.440

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Non-insulated metal grip lugs	Pack. unit*	Weight per unit approx.
	A	V		Order No.		kg
LV HRC fuse links						
Utilization category gG, for cable and conductor protection						
The 300 A, 355 A and 425 A fuse links do not conform to a VDE mark. They correspond to the standard, but are not permissible. Fuse links in size 4a are only operable in the 3NH7 520 LV HRC fuse base in size 4a.						
	2	35	AC 500 V, DC 440 V	A	3NA3 214	3 0.453
	47.2 mm	50		A	3NA3 220	3 0.453
		63		A	3NA3 222	3 0.453
		80		A	3NA3 224	3 0.453
		100		A	3NA3 230	3 0.453
		125		A	3NA3 232	3 0.453
		160		A	3NA3 236	3 0.453
		200		A	3NA3 240	3 0.453
		224		A	3NA3 242	3 0.453
	57.8 mm	250		A	3NA3 244	3 0.453
		300		A	3NA3 250	3 0.647
		315		A	3NA3 252	3 0.647
355			A	3NA3 254	3 0.647	
	400		A	3NA3 260	3 0.647	
	3	200	AC 500 V, DC 440 V	A	3NA3 340	3 0.647
	57.8 mm	224		A	3NA3 342	3 0.640
		250		A	3NA3 344	3 0.647
		300		A	3NA3 350	3 0.647
	71.2 mm	315		A	3NA3 352	3 0.647
		355		A	3NA3 354	3 0.647
		400		A	3NA3 360	3 0.647
		425		A	3NA3 362	3 1.000
		500		A	3NA3 365	3 1.000
		630		A	3NA3 372	3 1.000
	4	630	AC 500 V, DC 440 V	A	3NA3 472	1 2.500
	101.8 mm	800		A	3NA3 475	1 2.500
		1000		A	3NA3 480	1 2.500
		1250		A	3NA3 482	1 2.500
4a	500	AC 500 V, DC 440 V	A	3NA3 665	1 2.700	
	630		A	3NA3 672	1 2.700	
	800		A	3NA3 675	1 2.700	
	1000		A	3NA3 680	1 2.840	
	1250		A	3NA3 682	1 2.840	

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

BETA Fuses and Fuse Systems

LV HRC fuses

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Non-insulated grip lugs	Pack. unit*	Weight per unit approx.
	A	V		Order No.		
LV HRC fuse links						
Utilization category aM, for switchgear protection within the short-circuit range						
	000	6	AC 500 V	A	3ND1 801	3 0.130
	21 mm	10		A	3ND1 803	3 0.130
		16		A	3ND1 805	3 0.130
		20		A	3ND1 807	3 0.130
		25		A	3ND1 810	3 0.130
		32		A	3ND1 812	3 0.130
		35		A	3ND1 814	3 0.130
		40		A	3ND1 817	3 0.130
		50		A	3ND1 820	3 0.130
		63		A	3ND1 822	3 0.130
	80		A	3ND1 824	3 0.130	
00	100	AC 500 V	A	3ND1 830	3 0.192	
30 mm	125		A	3ND1 832	3 0.192	
	160		A	3ND1 836	3 0.192	
1	63	AC 690 V	A	3ND2 122	3 0.300	
46 mm	80		A	3ND2 124	3 0.300	
	100		A	3ND2 130	3 0.300	
	125		A	3ND2 132	3 0.440	
	160		A	3ND2 136	3 0.440	
	200		A	3ND2 140	3 0.440	
	250		A	3ND2 144	3 0.440	
	2	125	AC 690 V	A	3ND2 232	3 0.450
57 mm	160		A	3ND2 236	3 0.450	
	200		A	3ND2 240	3 0.450	
	250		A	3ND2 244	3 0.450	
	315		A	3ND2 252	3 0.650	
	355		A	3ND2 254	3 0.650	
	400		A	3ND2 260	3 0.650	
	3	315	AC 690 V	A	3ND2 352	3 0.650
71.2 mm	355		A	3ND2 354	3 0.650	
	400		A	3ND2 360	3 0.650	
	500		A	3ND1 365	3 1.030	
	630		A	3ND1 372	3 1.000	

Characteristics can be found on the Internet at
www.siemens.de/installationstechnik

Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Non-insulated grip lugs	Pack. unit*	Weight per unit approx.
	A	V		Order No.		kg

LV HRC fuse links

Utilization category gG, for cable and conductor protection

The 300 A and 425 A fuse links do not conform to a VDE mark. They correspond to the standard, but are not permissible.



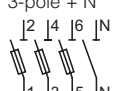
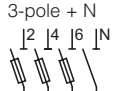
000	2	AC 690 V, DC 250 V	A	3NA3 802-6	3	0.135
21 mm	4		A	3NA3 804-6	3	0.135
	6		A	3NA3 801-6	3	0.135
	10		A	3NA3 803-6	3	0.135
	16		A	3NA3 805-6	3	0.135
	20		A	3NA3 807-6	3	0.135
	25		A	3NA3 810-6	3	0.135
	32		A	3NA3 812-6	3	0.135
	35		A	3NA3 814-6	3	0.135
00	40	AC 690 V, DC 250 V	A	3NA3 817-6	3	0.200
30 mm	50		A	3NA3 820-6	3	0.200
	63		A	3NA3 822-6	3	0.200
	80		A	3NA3 824-6	3	0.200
	100		A	3NA3 830-6	3	0.200
1	50	AC 690 V, DC 440 V	A	3NA3 120-6	3	0.290
30 mm	63		A	3NA3 122-6	3	0.290
	80		A	3NA3 124-6	3	0.290
	100		A	3NA3 130-6	3	0.290
	125		A	3NA3 132-6	3	0.290
	160		A	3NA3 136-6	3	0.290
47.2 mm	200		A	3NA3 140-6	3	0.426
2	80	AC 690 V, DC 440 V	A	3NA3 224-6	3	0.426
47.2 mm	100		A	3NA3 230-6	3	0.426
	125		A	3NA3 232-6	3	0.426
	160		A	3NA3 236-6	3	0.426
	200		A	3NA3 240-6	3	0.426
57.8 mm	224		A	3NA3 242-6	3	0.660
	250		A	3NA3 244-6	3	0.680
	300		A	3NA3 250-6	3	0.660
	315		A	3NA3 252-6	3	0.680
3	250	AC 690 V, DC 440 V	A	3NA3 344-6	3	0.660
	315		A	3NA3 352-6	3	0.660
71.2 mm	355		A	3NA3 354-6	3	1.000
	400		A	3NA3 360-6	3	1.000
	425		A	3NA3 362-6	3	1.000
	500		A	3NA3 365-6	3	1.000

Characteristics can be found on the Internet at www.siemens.de/installationstechnik

BETA Fuses and Fuse Systems

Cylindrical fuses

Selection and ordering data

Contacts	Rated current I_n	For fuses in size	MW	DC	Order No.	Pack. unit*	Weight per unit approx.
	A	mm x mm					kg
Base for cylindrical fuses, withdrawable-unit design, 70 mm mounting depth							
without signal detector							
	1-pole						
		20	8.5 x 31.5	1	A	3NW7 310	12 0.058
		32	10 x 38	1	A	3NW7 011	12 0.080
		50	14 x 51	1.5	A	3NW7 111	6 0.095
	1-pole + N						
		20	8.5 x 31.5	2	A	3NW7 350	6 0.120
		32	10 x 38	2	A	3NW7 051	6 0.167
		50	14 x 51	3	A	3NW7 151	3 0.215
	2-pole						
		20	8.5 x 31.5	2	A	3NW7 320	6 0.112
		32	10 x 38	2	A	3NW7 021	6 0.162
		50	14 x 51	3	A	3NW7 121	1 0.195
	3-pole						
		20	8.5 x 31.5	3	A	3NW7 330	4 0.167
		32	10 x 38	3	A	3NW7 031	4 0.243
		50	14 x 51	4.5	A	3NW7 131	1 0.295
	3-pole + N						
		20	8.5 x 31.5	4	A	3NW7 360	3 0.227
		32	10 x 38	4	A	3NW7 061	3 0.327
		50	14 x 51	6	A	3NW7 161	1 0.315
		100	22 x 58	8	A	3NW7 261	1 0.475
with signal detector							
	1-pole						
		20	8.5 x 31.5	1	A	3NW7 312	12 0.058
		32	10 x 38	1	A	3NW7 012	12 0.080
		50	14 x 51	1.5	A	3NW7 112	6 0.095
	1-pole + N						
		20	8.5 x 31.5	2	A	3NW7 352	6 0.120
		32	10 x 38	2	A	3NW7 052	6 0.167
		50	14 x 51	3	A	3NW7 152	3 0.215
	2-pole						
		20	8.5 x 31.5	2	A	3NW7 322	6 0.112
		32	10 x 38	2	A	3NW7 022	6 0.162
		50	14 x 51	3	A	3NW7 122	1 0.195
	3-pole						
		20	8.5 x 31.5	3	A	3NW7 332	4 0.167
		32	10 x 38	3	A	3NW7 032	4 0.243
		50	14 x 51	4.5	A	3NW7 132	1 0.295
	3-pole + N						
		20	8.5 x 31.5	4	A	3NW7 362	3 0.227
		32	10 x 38	4	A	3NW7 062	3 0.327
		50	14 x 51	6	A	3NW7 162	1 0.315
		100	22 x 58	8	A	3NW7 262	1 0.475

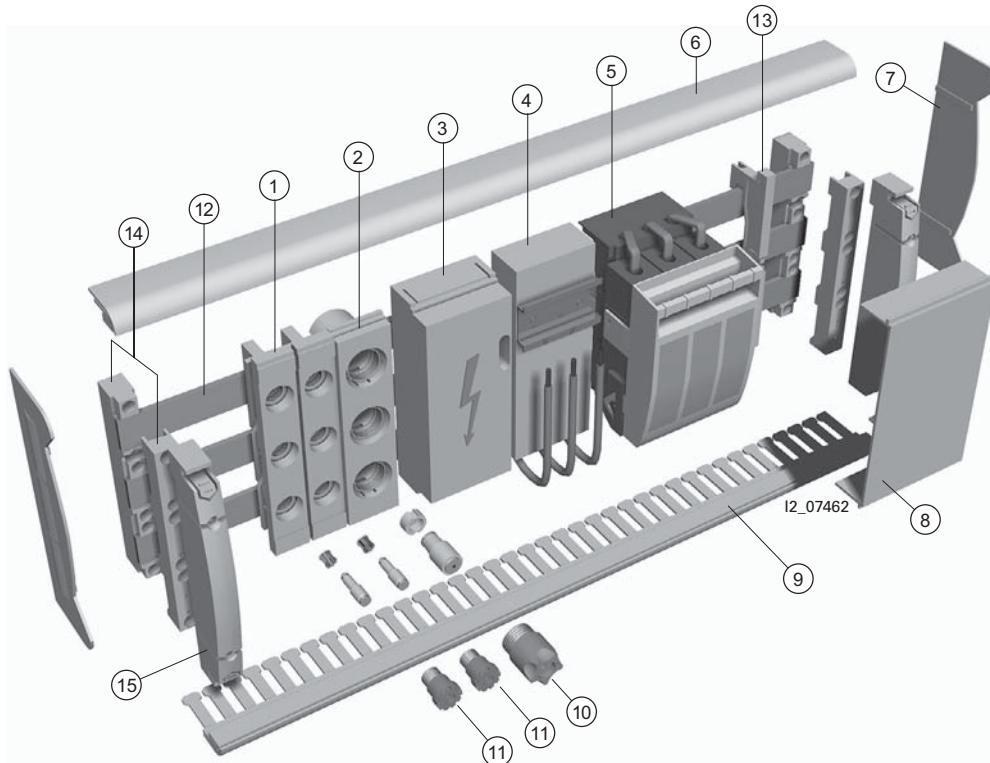
Selection and ordering data

Size	Rated current I_n	Rated voltage U_N	DC	Utilization category gG	Pack. unit*	Weight per unit approx.	DC	Utilization category aM	Pack. unit*	Weight per unit approx.	
mm × mm	A	V		Order No.		kg		Order No.		kg	
Cylindrical fuses Utilization category gL/gG, for cable and conductor protection Utilization category aM, for switchgear protection within the short-circuit range											
	8.5 × 31.5	2	400	A	3NW6 302-1	10	0.004	-			
		4		A	3NW6 304-1	10	0.004	-			
		6		A	3NW6 301-1	10	0.004	-			
		10		A	3NW6 303-1	10	0.004	-			
		16		A	3NW6 305-1	10	0.004	-			
		20		A	3NW6 307-1	10	0.004	-			
	10 × 38	0.5	500		-		A	3NW8 000-1	10	0.003	
		1			-		A	3NW8 011-1	10	0.008	
		2		A	3NW6 002-1	10	0.008	A	3NW8 002-1	10	0.008
		4		A	3NW6 004-1	10	0.008	A	3NW8 004-1	10	0.008
		6		A	3NW6 001-1	10	0.008	A	3NW8 001-1	10	0.008
		8		A	3NW6 008-1	10	0.008	A	3NW8 008-1	10	0.003
		10		A	3NW6 003-1	10	0.008	A	3NW8 003-1	10	0.008
		12		A	3NW6 006-1	10	0.008	A	3NW6 006-1	10	0.008
		16		A	3NW6 005-1	10	0.008	A	3NW8 005-1	10	0.008
		20		A	3NW6 007-1	10	0.008	A	3NW8 007-1	10	0.008
		25		A	3NW6 010-1	10	0.008	A	3NW8 010-1	10	0.008
		32	400	A	3NW6 012-1	10	0.008	-			
	14 × 51	2	500		-		A	3NW8 102-1	10	0.019	
		4		A	3NW6 104-1	10	0.019	A	3NW8 104-1	10	0.019
		6		A	3NW6 101-1	10	0.019	A	3NW8 101-1	10	0.019
		8		A	3NW6 108-1	10	0.019	A	3NW8 108-1	10	0.019
		10		A	3NW6 103-1	10	0.019	A	3NW8 103-1	10	0.019
		12		A	3NW6 106-1	10	0.019		3NW8 106-1		
		16		A	3NW6 105-1	10	0.019	A	3NW8 105-1	10	0.019
		20		A	3NW6 107-1	10	0.019	A	3NW8 107-1	10	0.019
		25		A	3NW6 110-1	10	0.019	A	3NW8 110-1	10	0.019
		32		A	3NW6 112-1	10	0.019	A	3NW8 112-1	10	0.019
		50	400	A	3NW6 120-1	10	0.019	A	3NW8 120-1	10	0.019
	22 × 58	8	500	A	3NW6 208-1	10	0.051	-			
		10		A	3NW6 203-1	10	0.051	A	3NW8 203-1	10	0.051
		12		A	3NW6 206-1	10	0.051	-			
		16		A	3NW6 205-1	10	0.051	A	3NW6 205-1	10	0.051
		20		A	3NW6 207-1	10	0.051	A	3NW8 207-1	10	0.051
		25		A	3NW6 210-1	10	0.051	A	3NW8 210-1	10	0.051
		32		A	3NW6 212-1	10	0.051	A	3NW8 212-1	10	0.051
		40		A	3NW6 217-1	10	0.051	A	3NW8 217-1	10	0.051
		50		A	3NW6 220-1	10	0.051	A	3NW8 220-1	10	0.051
		63		A	3NW6 222-1	10	0.051	A	3NW8 222-1	10	0.051
		80		A	3NW6 224-1	10	0.051	A	3NW8 224-1	10	0.051
		100	400	A	3NW6 230-1	10	0.051	A	3NW8 230-1	10	0.051

BETA Fuses and Fuse Systems

SR60 busbar system

Overview



- | | | | |
|---|------------------------------------|--|---|
| ① Three-pole DIAZED bus-mounting bases | ⑤ LV HRC fuse switch disconnectors | ⑩ DIAZED fuses | Not illustrated:
LV HRC bus-mounting fuse base |
| ② Three-pole NEOZED bus-mounting bases | ⑥ Edge | ⑪ NEOZED fuses | |
| ③ Field supply | ⑦ End cover | ⑫ Busbars | |
| ④ Adapter for modular installation devices according to DIN 43880 | ⑧ Residual field cover | ⑬ Support for the residual field cover | |
| | ⑨ Partition | ⑭ Busbar support | |
| | | ⑮ Edge support and support for partition | |

Selection and ordering data

		Dimensions	DC	Order No.	Pack. unit*	Weight per unit approx.
		W x H x D				kg
		mm x mm x mm				
Busbar routing						
	Busbar support for SR60 busbar system					
	for busbars with a bar thickness of 5 or 10 mm and a 12, 15, 20, 25 or 30 mm busbar height					
	60 mm busbar distance					
	external	3-phase	20 x 220 x 50/55	A	8US19 23-2AA00	10 0.214
	internal	3-phase	20 x 185 x 50/55	A	8US19 23-3AA00	10 0.200
	internal	4-phase	20 x 245 x 50/55	A	8US19 23-4AA00	10 0.269
	N/PE busbar support					
	for mounting on busbar supports, can also be used as a single support					
	1-phase		20 x 90 x 50/55	A	5SH3 506	10 0.070
	SR60 terminal plate					
	3-phase, for conductors from 150 mm ² ... to 300 mm ² (illustration without cover)			A	5SH3 535	1 1.657

Selection and ordering data

Size	Rated current I_n	Rated voltage U_n	DC	Order No.	Pack. unit*	Weight per unit approx.	
	A	V				kg	
Mounting components							
	NEOZED SR60 bus-mounting bases						
	for NEOZED adapter sleeves						
	3-pole						
	for 5 mm busbar thickness						
	D02	63	400	A	5SG6 202	10	0.141
	excessive width with wiring space						
	D02	63	400	A	5SG6 204	10	0.154
	for 10 mm busbar thickness						
	D02	63	400	A	5SG6 203	10	0.138
	excessive width with wiring space						
D02	63	400	A	5SG6 205	10	0.149	
	DIAZED SR60 bus-mounting bases						
	3-pole						
	for 5 mm busbar thickness						
	for use of DIAZED SR60 adapter rings						
	DII	25	500	A	5SF6 014	10	0.230
	DIII	63	690	A	5SF6 214	10	0.318
	for use of DIAZED screw adapters						
	DII	25	500	A	5SF6 015	10	0.222
	DIII	63	690	A	5SF6 215	10	0.310
	for 10 mm busbar thickness						
	for use of DIAZED SR60 adapter rings						
	DII	25	500	A	5SF6 016	10	0.233
	DIII	63	690	A	5SF6 216	10	0.316
	for use of DIAZED screw adapters						
DII	25	500	A	5SF6 017	10	0.220	
DIII	63	690	A	5SF6 217	10	0.328	
	NEOZED SR60 covers						
	D02		Width 27 mm	A	5SH5 241	10	0.026
			Width 36 mm	A	5SH5 242	10	0.031
			Width 54 mm	A	5SH5 243	10	0.040
	DIAZED SR60 covers						
	DII		Width 42 mm	A	5SH2 042	10	0.050
			Width 84 mm	A	5SH2 043	10	0.084
	DIII		Width 57 mm	A	5SH2 242	10	0.061
			Width 114 mm	A	5SH2 243	10	0.106
	DIAZED SR60 ring adapters						
	for DIAZED SR60 bus-mounting base only						
	DII, thread E 27						
	2	A	5SH3 071	25	0.005		
	4	A	5SH3 072	25	0.005		
	6	A	5SH3 073	25	0.005		
	10	A	5SH3 074	25	0.005		
	16	A	5SH3 075	25	0.005		
	20	A	5SH3 076	25	0.004		
	DIII, thread E 33						
	2	A	5SH3 078	50	0.008		
	4	A	5SH3 080	50	0.008		
	6	A	5SH3 081	50	0.008		
	10	A	5SH3 082	50	0.008		
	16	A	5SH3 083	50	0.008		
	20	A	5SH3 084	50	0.006		
	25	A	5SH3 085	25	0.007		
	35	A	5SH3 086	25	0.006		
	50	A	5SH3 087	25	0.005		

BETA Fuses and Fuse Systems

SR60 busbar system

Selection and ordering data

	Rated current I_n	Rated voltage U_n	DC	Order No.	Pack. unit*	Weight per unit approx.
	A	V				kg
Mounting components						
	NEOZED SR60 bus-mounting switch disconnecter for 5 and 10 mm busbar thickness, 3-pole Size D02 63	400	A	5SG7 230	4	0.700
	SR60 bus-mounting disconnecter for cylindrical fuses 10 x 38 mm, for 5 and 10 mm busbar thickness 3-pole 32	690	A	3NW7 430	4	0.700
	Auxiliary switch for NEOZED SR60 bus-mounting switch disconnectors or for SR60 bus-mounting disconnectors 1 changeover contact, AC 24 to 230 V, AC 2 A, p.f. = 2 A		A	5SH5 525	1	0.007
	Lateral module for NEOZED SR60 bus-mounting switch disconnectors for improving heat discharge during permanent loads above 35 A width: 9 mm		A	5SH5 526	5	0.060
	Reducer for NEOZED fuse links D01 in NEOZED SR60 bus-mounting switch disconnectors		A	5SH5 527	20	0.003
	LV HRC SR60 bus-mounting fuse base Size 00 with cover, top terminals, for 5 and 10 mm busbar thickness, 3-pole Fixing clamps up to 70 mm ²	690				
	with saddle-type terminal connection		A	3NH4 052	1	0.641
	with flat connection, screw M 8		A	3NH4 053	1	0.646
	Length	DC	Order No.	Pack. unit*	Weight per unit approx.	
	mm				kg	
SR60 covers						
	Base Height 230 mm, for 3-phase busbars 290 mm, for 4-phase busbars	1100	A A	5SH3 526 5SH3 527	2 2	1.100 1.300
	Residual field cover Depth 32 mm	1000	A	5SH3 537	2	0.075
	Cover profile for busbars 12 x 5 mm	2000	C	8GR5 010	50 meters	0.043
	up to 30 x 5 mm	1000	A	8US19 22-2AA00	10	0.156
	up to 30 x 10 mm		A	8US19 22-2BA00	10	0.156
	Edge H x W 17 x 36 mm, for 3 busbars 77 x 36 mm, for 4 busbars	1100	A A	5SH3 528 5SH3 530	2 2	0.311 0.583
	Partition slotted H x W 17 x 86 mm	1100	A	5SH3 531	2	0.365

Selection and ordering data

		DC	Order No.	Pack. unit*	Weight per unit approx. kg
SR60 covers					
	End cover for busbar support, lateral				
	Height 230 mm 290 mm (1 set = 2 items)	A A	5SH3 533 5SH3 534	4 2 sets	0.038 0.048
	End cover for busbar support, top				
	3-pole (1 item) 4-pole (1 set = 2 items)	A A	8US19 22-1AC00 8US19 22-1AB00	10 5	0.020 0.055
	Edge support and support for partition	A	5SH3 532	2	0.106
	Support for the residual field cover for the residual field cover	A	5SH3 536	10	0.040

BETA Miniature Circuit-Breakers

Introduction

Overview

Design	Tripping characteristic	Depth [mm]	Rated currents I_n	Standards	Rated short-circuit capacity Energy limitation class	Usage		
						Non-resid. bldgs.	Resid. bldgs.	Industry
Standard product range								
5SX2	B	55	6 - 50 A	EN 60898	6 000 3	•	•	
	C		0.3 - 63 A			•	•	
5SX4	B		6 - 50 A		10 000 3	•	•	•
	C		0.5 - 50 A			•	•	•
Industry product range								
5SY6	B	70	6 - 63 A	EN 60898	6 000 3	•		•
	C		0.3 - 63 A			•		•
	D		0.3 - 63 A			•		•
5SY4	A		1 - 63 A		10 000 3	•		•
	B		6 - 63 A			•		•
	C		0.3 - 63 A			•		•
	D		0.3 - 63 A			•		•
5SY7	B		6 - 63 A		15 000 3	•		•
	C		0.3 - 63 A			•		•
	D		0.3 - 63 A			•		•
5SY8	C		0.3 - 63 A	EN 60947-2	25 kA	•		•
	D		0.3 - 63 A			•		•
AC/DC product range								
5SY5	B	70	6 - 63 A	EN 60898	10 000 3			•
	C		0.3 - 63 A					•
High-current product range								
5SP4	B	70	80 - 125 A	EN 60898	10 000	•		•
	C		80 - 125 A			•		•
	D		80 - 100 A			•		

Definitions

1 MW = modular width of 18 mm

N-type = device mounting depth of 55 mm

Depth 70 mm = device mounting depth of 70 mm