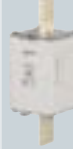


Photovoltaic cumulative fuse links

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	–	–

7

LV HRC fuse links

Operational class gG, with combination alarm

Mounting width	Size 000			Size 00			Size 1		
	21 mm			30 mm			30 mm		

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

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

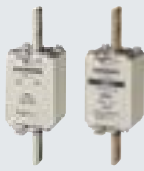
Size 1 47.2 mm			Size 2 47.2 mm			Size 2 57.8 mm		
								
U _n AC 400 V	U _n AC/DC 500/440 V	690 ¹⁾ /440 V	U _n AC 400 V	U _n AC/DC 500/440 V	690 ¹⁾ /440 V	U _n AC 400 V	U _n AC/DC 500/440 V	690 ¹⁾ /440 V
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–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

LV HRC fuse links

Operational class gG, with front indicator

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

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

Size 2		Size 3				Size 4 (IEC design)		Size 4a	
47.2 mm		57.8 mm		57.8 mm		71.2 mm		101.8 mm	101.8 mm
									
U _n AC/DC 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

LV HRC fuse links

Operational class aM, with front indicator

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

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

With front indicator and non-insulated grip lugs

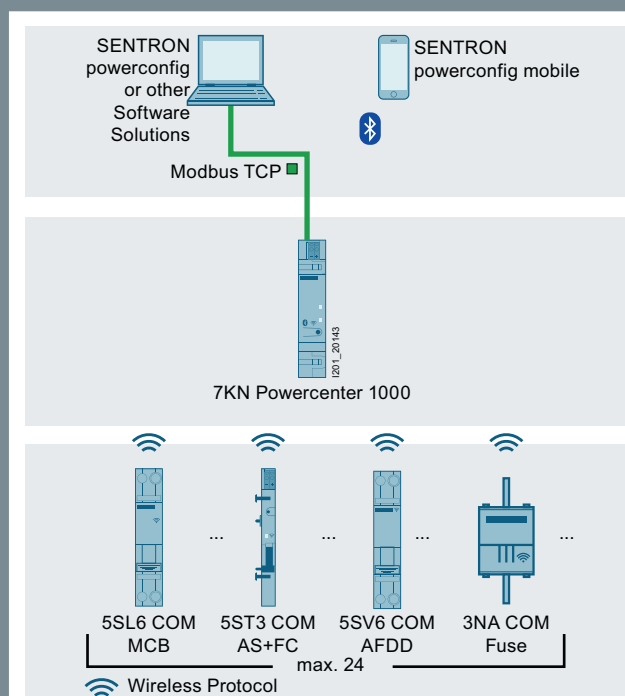
	Size 2, with electronic module ¹⁾		Size 2, without electronic module ²⁾	
	Operational class gG	Operational class gFF (for the Netherlands)	Operational class gG	Operational class gFF (for the Netherlands)
Mounting width	59 mm	59 mm	59 mm	59 mm
				
I_n	U_n AC 400 V	U_n AC 400 V	U_n AC 400 V	U_n AC 400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

¹⁾ Electronic module is mounted by simple insertion

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



7KN Powercenter 1000 data transceiver



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



See page 10/17

You will find further information under:

Quick Installation Guide – 7KN Powercenter 1000 ([109791805](#))



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



SITOR semiconductor fuse links (cylindrical fuse design)

Cylindrical fuses, operational class gS

Size 22 × 127 mm



I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC 1500/1000 V
1 A	2 A ² s	2 W	3NC2301-0MK
2 A	4.4 A ² s	2.5 W	3NC2302-0MK
4 A	55 A ² s	5.3 W	3NC2304-0MK
6 A	150 A ² s	6.4 W	3NC2306-0MK
10 A	540 A ² s	3.1 W	3NC2310-0MK
16 A	1120 A ² s	4.7 W	3NC2316-0MK
20 A	2850 A ² s	5.4 W	3NC2320-0MK
25 A	3300 A ² s	6.9 W	3NC2325-0MK
32 A	9050 A ² s	6.7 W	3NC2332-0MK
Further information			
Installation in SITOR fuse holders			3NC23
Further currents, operational class gR			see page 7/64
Further currents, operational class aR			see page 7/66

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class gR

Size 10 × 38 mm



Size 14 × 51 mm



I _n	Switch-off I ² t value	Power loss P _v	U _n AC/DC 690/440 V		U _n AC/DC 690/700 V ¹⁾			
			690/440 V	690/250 V	690/700 V ¹⁾	690/600 V	690/440 V	690/250 V
6 A	3.5 A ² s	3.1 W	–	–	3NC1406-0MK	–	–	–
	6.5 A ² s	2.5 W	3NC1006-0MK	–	–	–	–	–
10 A	15 A ² s	4.6 W	–	–	3NC1410-0MK	–	–	–
	17 A ² s	4.3 W	–	–	–	–	–	–
	18 A ² s	3.3 W	3NC1010-0MK	–	–	–	–	–
12 A	35 A ² s	4 W	3NC1012-0MK	–	–	–	–	–
16 A	32 A ² s	6.7 W	–	–	–	3NC1416-0MK	–	–
	45 A ² s	6 W	3NC1016-0MK	–	–	–	–	–
	52 A ² s	4.4 W	–	–	–	–	–	–
20 A	68 A ² s	7.4 W	–	–	–	3NC1420-0MK	–	–
	90 A ² s	6.5 W	–	–	–	–	–	–
	110 A ² s	7.8 W	–	3NC1020-0MK	–	–	–	–
25 A	108 A ² s	8.4 W	–	–	–	3NC1425-0MK	–	–
	120 A ² s	9.5 W	–	–	–	–	–	–
	140 A ² s	8.7 W	–	3NC1025-0MK	–	–	–	–
	160 A ² s	8.5 W	–	–	–	–	–	–
	180 A ² s	8.1 W	–	–	–	–	–	–
32 A	175 A ² s	12.3 W	–	–	–	3NC1432-0MK	–	–
	220 A ² s	12.3 W	–	–	–	–	–	–
	400 A ² s	8.9 W	–	–	–	–	–	–
	420 A ² s	9 W	–	–	–	–	–	–
	450 A ² s	12 W	–	3NC1032-0MK	–	–	–	–
40 A	400 A ² s	14.8 W	–	–	–	–	–	–
	470 A ² s	11.7 W	–	–	–	–	3NC1440-0MK	–
	600 A ² s	11 W	–	–	–	–	–	–
	700 A ² s	12.5 W	–	–	–	–	–	–
	1850 A ² s	9.4 W	–	–	–	–	–	–
50 A	830 A ² s	16.3 W	–	–	–	–	–	3NC1450-0MK
	980 A ² s	17.5 W	–	–	–	–	–	–
	1250 A ² s	13.8 W	–	–	–	–	–	–
	1250 A ² s	15.2 W	–	–	–	–	–	–
63 A	2050 A ² s	18.8 W	–	–	–	–	–	–
	2400 A ² s	17.5 W	–	–	–	–	–	–
80 A	4400 A ² s	23 W	–	–	–	–	–	–
100 A	11500 A ² s	28.7 W	–	–	–	–	–	–
Further information								
Screw fixing			–	–	–	–	–	–
Installation in SITOR fuse holders			3NC109.	3NC109.	3NC149.	3NC149.	3NC149.	3NC149.
Installation in SITOR fuse bases			–	–	–	–	–	–
Further currents, operational class gS			–	–	–	–	–	–
Further currents, operational class aR			–	–	–	–	–	–

¹⁾ DC voltage according to UL

Size 22 × 58 mm				Size 22 × 127 mm	With M8 bolt-on links Size 18 × 88 mm	Size 26 × 103 mm
						
U _n AC/DC 690/700 V ¹⁾	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-OMK	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	3NC1816-OMK	–
–	–	–	–	–	–	–
–	–	–	–	–	3NC1820-OMK	–
–	–	–	–	–	–	–
–	–	–	–	–	–	3NC2625-OMK
–	–	–	–	–	–	–
–	–	–	–	–	3NC1825-OMK	–
3NC2225-OMK	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	3NC2632-OMK
–	–	–	–	–	3NC1832-OMK	–
–	3NC2232-OMK	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	3NC2640-OMK
–	–	–	–	–	–	–
–	–	–	–	–	3NC1840-OMK	–
–	–	3NC2240-OMK	–	–	–	–
–	–	–	–	3NC2340-OMK	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	3NC2650-OMK
–	–	–	–	–	3NC1850-OMK	–
–	–	–	3NC2250-OMK	–	–	–
–	–	–	–	–	–	3NC2663-OMK
–	–	–	3NC2263-OMK	–	–	–
–	–	–	3NC2280-OMK	–	–	–
–	–	–	3NC2200-OMK	–	–	–
–	–	–	–	–	■	■
3NC229.	3NC229.	3NC229.	3NC229.	3NC23	–	–
–	–	–	–	–	3NH5723	3NH5023
–	–	–	–	see page 7/63	–	–
–	–	–	–	see page 7/66	–	–

SITOR semiconductor fuse links (cylindrical fuse design)

Operational class aR

Size 10 × 38 mm¹⁾

Size 14 × 51 mm

Standard



With striking pin



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

Further information

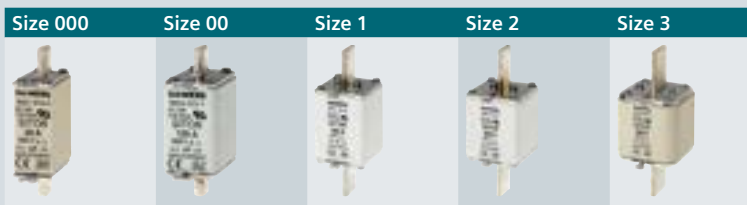
Screw fixing	—	—	—	—	—	—
Installation in SITOR fuse holders	3NC109.	3NC109.	3NC149	3NC149	3NC149.-5	3NC149.-5
Installation in SITOR fuse bases	—	—	—	—	—	—
Further currents, operational class gS	—	—	—	—	—	—
Further currents, operational class aR	—	—	—	—	—	—

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

²⁾ CCC approval

SITOR semiconductor fuse links (LV HRC design)

Operational class gS, with blade contacts without slots



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

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

Operational class gR, with bolt-on links

				Size 000	Size 00
Screw fixing, mounting dimension				M8, 80 mm	M10, 80 mm
					
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
20 A	83 A ² s	7 W	0.9	3NE8714-1	–
25 A	140 A ² s	9 W	0.9	3NE8715-1	–
32 A	285 A ² s	10 W	0.9	3NE8701-1	–
40 A	490 A ² s	12 W	0.9	3NE8702-1	–
50 A	815 A ² s	15 W	0.9	3NE8717-1	–
80 A	3200 A ² s	23 W	On req.	–	3NE8020-3MK
100 A	5200 A ² s	29 W	On req.	–	3NE8021-3MK
Further information					
Screw fixing				■	■
Installation in SITOP fuse bases				2× 3NH5023	2× 3NH5023
Further currents, operational class aR				see page 7/52	see page 7/52

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with blade contacts without slots

Size 000



Size 00



Size 0



I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/400 V	U_n AC 690 V ¹⁾	U_n AC 1000 V ¹⁾
6 A	37 A ² s	2.7 W	On req.	3NE8810-OMK	—	—
10 A	50 A ² s	4.5 W	On req.	3NE8812-OMK	—	—
16 A	73 A ² s	6.7 W	On req.	3NE8813-OMK	—	—
20 A	90 A ² s	8 W	On req.	3NE8814-OMK	—	—
25 A	150 A ² s	8.1 W	On req.	3NE8815-OMK	—	—
	180 A ² s	7 W	0.95	—	3NE8015-1	—
32 A	280 A ² s	12 W	0.9	—	—	3NE4101
	350 A ² s	10.5 W	On req.	3NE8801-OMK	—	—
35 A	400 A ² s	9 W	0.95	—	3NE8003-1	—
40 A	480 A ² s	12 W	On req.	3NE8802-OMK	—	—
	500 A ² s	13 W	0.9	—	—	3NE4102
50 A	700 A ² s	14 W	0.90	—	3NE8017-1	—
	800 A ² s	16 W	0.9	—	—	3NE4117
	1050 A ² s	14.5 W	On req.	3NE8817-OMK	—	—
63 A	1400 A ² s	16 W	0.95	—	3NE8018-1	—
	1960 A ² s	23 W	On req.	3NE8818-OMK	—	—
80 A	5800 A ² s	10.5 W	1.0	—	3NE1020-2	—
100 A	11000 A ² s	12 W	1.0	—	3NE1021-2	—
125 A	23000 A ² s	13.5 W	1.0	—	3NE1022-2	—
160 A	18600 A ² s	32 W	1.0	—	—	—
200 A	51800 A ² s	35 W	1.0	—	—	—
250 A	80900 A ² s	37 W	1.0	—	—	—
315 A	168000 A ² s	40 W	1.0	—	—	—
350 A	177000 A ² s	43 W	1.0	—	—	—
400 A	224000 A ² s	50 W	1.0	—	—	—
450 A	276500 A ² s	58 W	1.0	—	—	—
500 A	398000 A ² s	64 W	1.0	—	—	—
560 A	890000 A ² s	60 W	1.0	—	—	—
630 A	1390000 A ² s	60 W	1.0	—	—	—
670 A	1640000 A ² s	64 W	1.0	—	—	—
710 A	1818000 A ² s	72 W	1.0	—	—	—
	2460000 A ² s	65 W	1.0	—	—	—
800 A	2475000 A ² s	84 W	1.0	—	—	—
	3350000 A ² s	72 W	1.0	—	—	—
850 A	3640000 A ² s	76 W	1.0	—	—	—
Further information						
Installation in 3NH LV HRC fuse bases				■	■	■
Installation in 3NP and 3KF fuse switching devices				■	■	■
Further currents, operational class aR				see page 7/53	—	see page 7/53

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

SITOR semiconductor fuse links (LV HRC design)

Operational class gR, with slotted blade contacts

Screw fixing, mounting dimension (lateral)

With 2 oblong slots

Size 3

M10, 110 mm



With oblong and transverse slots

Size 1

M10, 110 mm



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

Further information

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

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

²⁾ Minimum clearance 90 mm

Size 2		Size 3		Size 3	Size 2 × 3	Size 3 × 3
M10, 110 (90) mm	M10, 170 mm	M10, 110 mm		M12, 110 mm	M12, 110 mm ²⁾	M12, 110 mm ²⁾
						
U _n AC 690 V ¹⁾	U _n AC/DC 1500/1000 V	U _n AC 500 V ¹⁾	690 V ¹⁾	U _n AC 690 V ¹⁾	U _n AC 690 V ¹⁾	U _n AC 690 V ¹⁾
–	–	–	–	–	–	–
–	3NE5302-OMK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5317-OMK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5318-OMK06	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8423-3C	–	–	–
–	–	3NC2423-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8425-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2425-3C	–	–	–	–
–	–	–	3NC8427-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2427-3C	–	–	–	–
–	–	3NC2428-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8431-3C	–	–	–
3NE1331-3	–	–	–	–	–	–
–	–	3NC2431-3C	–	–	–	–
3NE1332-3	–	–	–	–	–	–
3NE1333-3	–	–	–	–	–	–
3NE1334-3	–	–	–	–	–	–
–	–	–	3NC8434-3C	–	–	–
–	–	–	–	3NE1435-3	–	–
–	–	–	–	3NE1436-3	–	–
–	–	–	–	3NE1447-3	–	–
–	–	–	–	3NE1437-3	–	–
–	–	–	–	3NE1438-3	–	–
–	–	–	–	3NE1448-3	–	–
–	–	–	–	–	3NB3350-1KK26	–
–	–	–	–	–	3NB3351-1KK26	–
–	–	–	–	–	3NB3352-1KK26	–
–	–	–	–	–	3NB3354-1KK26	–
–	–	–	–	–	3NB3355-1KK26	–
–	–	–	–	–	3NB3357-1KK26	–
–	–	–	–	–	–	3NB3358-1KK27
–	–	–	–	–	3NB3358-1KK26	–
–	–	–	–	–	–	3NB3362-1KK27
■	■	■	■	■	■	■
3NH5463	3NH5463	3NH5463	3NH5463	3NH5463	–	–
■	■	■	■	■	–	–
■	■	■	■	■	–	–
–	–	see page 7/56	see page 7/56	see page 7/56	–	–

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with bolt-on links

Screw fixing, mounting dimension	Size 000	
	M8, 80 mm	M10, 80 mm
		

I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 690/700 V	U_n AC/DC 690/440 V
63 A	1550 A ² s	16 W	0.95	3NE8718-1	–
80 A	2700 A ² s	18 W	0.9	3NE8720-1	–
100 A	4950 A ² s	19 W	0.95	3NE8721-1	–
125 A	9100 A ² s	23 W	0.95	3NE8722-1	–
160 A	17000 A ² s	31 W	0.9	3NE8724-1	–
200 A	30000 A ² s	36 W	0.9	3NE8725-1	–
250 A	55000 A ² s	42 W	0.9	3NE8727-1	–
315 A	85500 A ² s	54 W	0.85	3NE8731-1	–
350 A	135000 A ² s	58.8 W	On req.	–	3NE8031-3MK
400 A	170000 A ² s	74.5 W	On req.	–	3NE8032-3MK
Further information					
Screw fixing				■	■
Installation in SITOR fuse bases				3NH5023	3NH5023
Further currents, operational class gR				see page 7/47	see page 7/47

Operational class aR, with blade contacts without slots

				Size 000		Size 00		Size 0		Size 1		Size 2	
													
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC 500/440 V	690/440 V	U_n AC 690 V ¹⁾	U_n AC 1000 V ¹⁾	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V	U_n AC/DC 690/440 V
63 A	1500 A ² s	20 W	0.9	–	–	–	3NE4118	–	–	–	–	–	–
80 A	2200 A ² s	23.3 W	On req.	–	3NE8820-OMK	–	–	–	–	–	–	–	–
	2400 A ² s	19 W	0.95	–	–	3NE8020-1	–	–	–	–	–	–	–
	3000 A ² s	22 W	0.9	–	–	–	3NE4120	–	–	–	–	–	–
100 A	3650 A ² s	27 W	On req.	–	3NE8821-OMK	–	–	–	–	–	–	–	–
	4200 A ² s	22 W	0.95	–	–	3NE8021-1	–	–	–	–	–	–	–
	6000 A ² s	24 W	0.9	–	–	–	3NE4121	–	–	–	–	–	–
	6050 A ² s	25.5 W	On req.	–	–	–	–	3NE8221-OMK	–	–	–	–	–
125 A	6500 A ² s	28 W	0.95	–	–	3NE8022-1	–	–	–	–	–	–	–
	7800 A ² s	30 W	On req.	–	3NE8822-OMK	–	–	–	–	–	–	–	–
	8900 A ² s	28.5 W	On req.	–	–	–	–	3NE8222-OMK	–	–	–	–	–
	14000 A ² s	30 W	0.9	–	–	–	3NE4122	–	–	–	–	–	–
160 A	13000 A ² s	38 W	0.95	–	–	3NE8024-1	–	–	–	–	–	–	–
	14000 A ² s	34 W	On req.	3NE8824-OMK	–	–	–	–	–	–	–	–	–
	16200 A ² s	37 W	On req.	–	–	–	–	3NE8224-OMK	–	–	–	–	–
	29000 A ² s	35 W	0.9	–	–	–	3NE4124	–	–	–	–	–	–
200 A	26000 A ² s	49 W	On req.	–	–	–	–	3NE8225-OMK	–	–	–	–	–
250 A	59000 A ² s	52 W	On req.	–	–	–	–	3NE8227-OMK	–	–	–	–	–
315 A	120000 A ² s	68 W	On req.	–	–	–	–	3NE8230-OMK	–	–	–	–	–
350 A	83500 A ² s	68.6 W	On req.	–	–	–	–	–	–	–	–	3NE8331-OMK	–
400 A	136000 A ² s	72.8 W	On req.	–	–	–	–	–	–	–	–	3NE8332-OMK	–
450 A	207000 A ² s	80.1 W	On req.	–	–	–	–	–	–	–	–	3NE8333-OMK	–
500 A	318000 A ² s	77.5 W	On req.	–	–	–	–	–	–	–	–	3NE8334-OMK	–
550 A	399000 A ² s	86.4 W	On req.	–	–	–	–	–	–	–	–	3NE8335-OMK	–
630 A	740000 A ² s	90.7 W	On req.	–	–	–	–	–	–	–	–	3NE8336-OMK	–
Further information													
Installation in 3NH LV HRC fuse bases				■	■	■	■	■	■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices				■	■	■	■	■	■	■	■	■	■
Further currents, operational class gR				see page 7/48		–	see page 7/48		–	–		–	–

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

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with slotted blade contacts

Screw fixing, mounting dimension

With 2 oblong slots

Size 3
M10, 110 mm



With oblong and transverse slots

Size 1
M8, 80 mm



M10, 110 mm



I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 500 V ¹⁾	U_n AC/DC 690/440 V	U_n AC 1000 V ¹⁾	U_n AC/DC 1000/600 V
80 A	3900 A ² s	42 W	On req.	—	—	—	—
100 A	3200 A ² s	25 W	On req.	—	3NE8221-3MK	—	—
	4800 A ² s	28 W	0.95	—	—	3NE3221	—
	8700 A ² s	45 W	On req.	—	—	—	—
125 A	6000 A ² s	28 W	On req.	—	3NE8222-3MK	—	—
	7200 A ² s	36 W	0.95	—	—	3NE3222	—
	11800 A ² s	59 W	On req.	—	—	—	—
160 A	10500 A ² s	35 W	On req.	—	3NE8224-3MK	—	—
	13000 A ² s	42 W	1.0	—	—	3NE3224	—
	37000 A ² s	54 W	On req.	—	—	—	—
200 A	17500 A ² s	42 W	On req.	—	3NE8225-3MK	—	—
	30000 A ² s	42 W	1.0	—	—	3NE3225	—
	70000 A ² s	56 W	On req.	—	—	—	—
250 A	28500 A ² s	53.5 W	On req.	—	3NE8227-3MK	—	—
	29700 A ² s	105 W	0.85	—	—	—	—
	48000 A ² s	50 W	1.0	—	—	3NE3227	—
	165000 A ² s	59 W	On req.	—	—	—	—
315 A	53500 A ² s	61 W	On req.	—	3NE8230-3MK	—	—
	60700 A ² s	120 W	0.85	—	—	—	—
	80000 A ² s	60 W	0.95	—	—	3NE3230-OB	—
	250000 A ² s	76 W	On req.	—	—	—	—
	300000 A ² s	245 W	On req.	—	—	—	—
350 A	66000 A ² s	69 W	On req.	—	3NE8231-3MK	—	—
	100000 A ² s	75 W	0.95	—	—	3NE3231	—
400 A	110000 A ² s	70.5 W	On req.	—	3NE8232-3MK	—	—
	135000 A ² s	80 W	1.0	—	—	—	—
		85 W	0.9	—	—	3NE3232-OB	—
	390000 A ² s	50 W	0.85	3NC2432-OC	—	—	—
	470000 A ² s	89 W	On req.	—	—	—	—
450 A	175000 A ² s	90 W	1.0	—	—	—	—
		95 W	0.9	—	—	3NE3233	—
	180000 A ² s	71 W	On req.	—	3NE8233-3MK	—	—
	191000 A ² s	140 W	0.85	—	—	—	—
500 A	215000 A ² s	84 W	On req.	—	3NE8234-3MK	—	—
	260000 A ² s	90 W	1.0	—	—	—	—
	276000 A ² s	155 W	0.85	—	—	—	—
	500000 A ² s	105 W	On req.	—	—	—	3NE3234-OMK08
	800000 A ² s	109 W	On req.	—	—	—	—
550 A	290000 A ² s	87 W	On req.	—	3NE8235-3MK	—	—
	700000 A ² s	110 W	On req.	—	—	—	3NE3235-OMK08
560 A	360000 A ² s	95 W	1.0	—	—	—	—
630 A	440000 A ² s	96 W	On req.	—	3NE8236-3MK	—	—
	600000 A ² s	100 W	1.0	—	—	—	—
	850000 A ² s	127 W	On req.	—	—	—	3NE3236-OMK08
	1100000 A ² s	163 W	On req.	—	—	—	—
710 A	800000 A ² s	105 W	1.0	—	—	—	—
	923000 A ² s	155 W	0.95	—	—	—	—
800 A	850000 A ² s	130 W	0.95	—	—	—	—
900 A	920000 A ² s	165 W	0.95	—	—	—	—

Further information

Screw fixing	■	■	■	■
Installation in SITOR fuse bases	3NH5463	3NH5423	3NH5463	3NH5463
Installation in 3NH LV HRC fuse bases	■	—	■	—
Installation in 3NP and 3KF fuse switching devices	■	—	■	—
Further currents, operational class gR	see page 7/17	—	—	—

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

Size 2

M10, 110 mm



M10, 170 mm



M10, 190 mm



M12, 260 mm



U _n AC 690 V ¹⁾	800 V ¹⁾	800 V ¹⁾	900 V ¹⁾	1000 V ¹⁾	U _n AC/DC 1500/1000 V	U _n AC/DC 1500/1000 V	U _n DC 3000 V
—	—	—	—	—	3NE5320-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	3NE5321-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	3NE5322-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	3NE5324-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	3NE5325-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	3NE4327-0B	—	—	—	—	—
—	—	—	—	—	3NE5327-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	3NE4330-0B	—	—	—	—	—
—	—	—	—	—	3NE5330-0MK06	—	—
—	—	—	—	—	—	—	3NE9330-0MK07
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	3NE3332-0B	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	3NE5332-0MK06	—	—
—	—	—	—	3NE3333	—	—	—
—	—	—	—	—	—	—	—
—	—	3NE4333-0B	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	3NE3334-0B	—	—	—
—	—	3NE4334-0B	—	—	—	—	—
—	—	—	—	—	3NE5334-0MK06	—	—
—	—	—	—	—	—	—	—
—	—	—	—	3NE3335	—	—	—
—	—	—	—	3NE3336	—	—	—
—	—	—	—	—	3NE5336-0MK06	3NE5336-0MK66	—
—	—	—	3NE3337-8	—	—	—	—
—	—	3NE4337	—	—	—	—	—
—	3NE3338-8	—	—	—	—	—	—
3NE3340-8	—	—	—	—	—	—	—
■	■	■	■	■	■	■	■
3NH5463	3NH5463	3NH5463	3NH5463	3NH5463	3NH5473	3NH5473	—
■	■	■	■	■	—	—	—
■	■	■	■	■	—	—	—
—	—	—	—	—	see page 7/17	—	—

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with slotted blade contacts

Screw fixing, mounting dimension				With oblong and transverse slots Size 3					
				M10, 110 mm		M10, 130 mm	M10, 170 mm	M10, 210 mm	
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC 500 V ¹⁾	600 V ¹⁾	U_n AC 1000 V ¹⁾	U_n AC 1500 V ¹⁾	U_n AC 1500 V ¹⁾	2000 V ¹⁾
100 A	13500 A ² s	25 W	1.0	—	—	3NE3421-OC	—	—	—
125 A	34500 A ² s	78 W	1.0	—	—	—	—	—	—
160 A	54000 A ² s	56 W	1.0	—	—	—	—	3NE5424-OC	—
200 A	138000 A ² s	75 W	1.0	—	—	—	—	—	3NE7425-OU
224 A	54000 A ² s	85 W	1.0	—	—	3NE3626-OC	—	—	—
	138000 A ² s	80 W	1.0	—	—	—	—	3NE5426-OC	—
250 A	84000 A ² s	130 W	1.0	—	—	—	3NE5627-OC	—	—
	218000 A ² s	110 W	1.0	—	—	—	—	—	3NE7427-OU
315 A	72500 A ² s	80 W	0.95	—	—	—	—	—	—
	218000 A ² s	80 W	1.0	—	—	3NE3430-OC	—	—	—
	311000 A ² s	115 W	1.0	—	—	—	—	3NE5430-OC	—
350 A	428000 A ² s	135 W	1.0	—	—	—	—	3NE5431-OC	—
	555000 A ² s	120 W	1.0	—	—	—	—	—	3NE7431-OU
400 A	163000 A ² s	95 W	0.95	—	—	—	—	—	—
	364000 A ² s	110 W	1.0	—	—	3NE3432-OC	—	—	—
	390000 A ² s	50 W	0.85	3NC2432-3C	—	—	—	—	—
	620000 A ² s	205 W	1.0	—	—	—	—	—	—
	870000 A ² s	150 W	1.0	—	—	—	—	—	3NE7432-OU
450 A	488000 A ² s	110 W	1.0	—	—	3NE3635-OC	—	—	—
	590000 A ² s	160 W	1.0	—	—	—	3NE5633-OC	—	—
	870000 A ² s	145 W	0.95	—	—	—	—	3NE5433-OC	—
	960000 A ² s	160 W	1.0	—	—	—	—	—	3NE7633-OU
500 A	290000 A ² s	115 W	0.90	—	—	—	—	—	—
	870000 A ² s	95 W	1.0	—	—	3NE3434-OC	—	—	—
	1270000 A ² s	235 W	1.0	—	—	—	—	—	—
525 A	1120000 A ² s	210 W	1.0	—	—	—	—	—	—
600 A	1950000 A ² s	145 W	1.0	—	—	—	3NE5643-OC	—	—
630 A	244000 A ² s	120 W	0.85	—	—	—	—	—	—
	418000 A ² s	145 W	0.85	—	—	—	—	—	—
	650000 A ² s	120 W	0.95	—	—	—	—	—	—
	1280000 A ² s	132 W	1.0	—	—	3NE3636-OC	—	—	—
	1950000 A ² s	220 W	1.0	—	—	—	—	—	3NE7636-OU
	2800000 A ² s	275 W	1.0	—	—	—	—	—	—
710 A	346000 A ² s	130 W	0.85	—	—	—	—	—	—
	569000 A ² s	150 W	0.85	—	—	—	—	—	—
	1950000 A ² s	145 W	1.0	—	—	3NE3637-OC	—	—	—
	3110000 A ² s	275 W	1.0	—	—	—	—	—	—
800 A	498000 A ² s	135 W	0.9	—	—	—	—	—	—
	819000 A ² s	155 W	0.85	—	—	—	—	—	—
	985000 A ² s	145 W	0.90	—	—	—	—	—	—
900 A	677000 A ² s	145 W	0.9	—	—	—	—	—	—
	1160000 A ² s	165 W	0.9	—	—	—	—	—	—
1000 A	975000 A ² s	155 W	0.95	—	—	—	—	—	—
	1670000 A ² s	170 W	0.9	—	—	—	—	—	—
	2480000 A ² s	140 W	0.85	—	3NC8444-3C	—	—	—	—
1100 A	1382000 A ² s	165 W	0.95	—	—	—	—	—	—
	1910000 A ² s	185 W	0.9	—	—	—	—	—	—
1250 A	1990000 A ² s	175 W	0.95	—	—	—	—	—	—
	2600000 A ² s	210 W	0.9	—	—	—	—	—	—
1400 A	2100000 A ² s	200 W	0.95	—	—	—	—	—	—
1600 A	2860000 A ² s	240 W	0.9	—	—	—	—	—	—
Further information									
Screw fixing				■	■	■	■	■	■
Installation in SITOR fuse bases				3NH5463	3NH5463	—	3NH5463	—	—
Installation in 3NH LV HRC fuse bases				■	■	—	—	—	—
Installation in 3NP and 3KF fuse switching devices				■	■	—	—	—	—
Further currents, operational class gR				see page 7/50		—	—	—	—

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

M12, 80 mm		M12, 110 mm				M12, 140 mm	M12, 210 mm		M12, 260 mm
									
U _n AC 500 V ¹⁾	690 V ¹⁾	U _n AC 800 V ¹⁾	1000 V ¹⁾	1100 V ¹⁾	1250 V ¹⁾	U _n AC 1000 V ¹⁾	U _n AC 1500 V ¹⁾	2000 V ¹⁾	U _n AC 2500 V ¹⁾
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9622-1C
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	3NC3430-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	3NC3432-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9632-1C
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	3NE5433-1C	–	–
–	–	–	–	–	–	–	–	3NE7633-1U	–
–	–	–	–	–	3NC3434-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	3NE9634-1C
–	–	–	–	–	–	–	–	3NE7648-1U	–
–	–	–	–	–	–	–	–	–	–
–	3NC3236-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3336-1U	–	–	–	–	–	–
–	–	–	–	–	3NC3436-1U	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	3NE7636-1U	–
–	–	–	–	–	–	–	–	–	3NE9636-1C
–	3NC3237-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3337-1U	–	–	–	–	–	–
–	–	–	–	–	–	3NE3637-1C	–	–	–
–	–	–	–	–	–	–	–	3NE7637-1U	–
–	3NC3238-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3338-1U	–	–	–	–	–	–
–	–	–	–	3NC3438-1U	–	–	–	–	–
–	3NC3240-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3340-1U	–	–	–	–	–	–
–	3NC3241-1U	–	–	–	–	–	–	–	–
–	–	–	3NC3341-1U	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	3NC3242-1U	–	–	–	–	–	–	–	–
–	–	3NC3342-1U	–	–	–	–	–	–	–
–	3NC3243-1U	–	–	–	–	–	–	–	–
–	–	3NC3343-1U	–	–	–	–	–	–	–
3NC3244-1U	–	–	–	–	–	–	–	–	–
3NC3245-1U	–	–	–	–	–	–	–	–	–
■	■	■	■	■	■	■	■	■	■
–	–	3NH5463	3NH5463	3NH5463	3NH5463	–	–	–	–
–	–	■	■	■	■	–	–	–	–
–	–	■	■	■	■	–	–	–	–
–	–	–	–	–	–	–	–	–	–

SITOR semiconductor fuse links (LV HRC design)

Operational class aR, with female thread at both ends



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

M12, 73 mm



M12, 73 mm

U_n AC
800 V

1000 V

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–

3NC3336-6U

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–

–

3NC3337-6U

–

–

–

3NC3338-6U

–

–

–

3NC3340-6U

–

–

–

3NC3341-6U

–

–

3NC3342-6U

–

–

–

3NC3343-6U

–

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■

■

U_n AC
1100 V

1250 V

–

3NC3430-6U

–

3NC3432-6U

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3NC3434-6U

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3NC3436-6U

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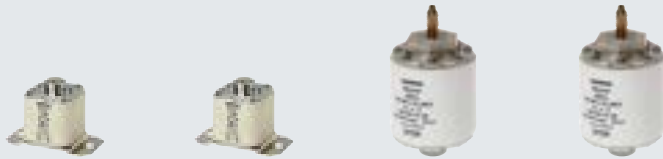
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SITOR semiconductor fuse links (LV HRC design)

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

Operational class aR, special designs

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

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

Cylindrical fuse holders

Number of poles

1P

1P+N

2P

3P

3P+N



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

Note:

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

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

Accessories

Auxiliary switches for cylindrical fuse holders, standard



- For retrofitting using the factory-fitted brackets

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

Busbars for cylindrical fuse holders, compact



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

Terminals for cylindrical fuse holders, compact

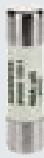


Version	Article No.
For conductor cross-sections 2.5 ... 35 mm ²	5ST2600

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

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	–