




Fuse Systems

NEOZED fuse links

Technical specifications

The fuses listed below have a let-through current of max. 17 kA at a rated short-circuit current of **50 kA** rms.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

Size	I_n	$I_d^{1)}$	$I_k^{2)}$	Identification color	Mounting width	Article No. www.siemens.com/product?Article No.
	A				MW	
NEOZED fuse links, rated voltage 400 V AC/250 V DC, operational class gG						
	D01	2	< 17 kA	50 kA	Pink	-- 5SE2302 5SE2304 5SE2306 5SE2310 5SE2013-2A 5SE2316
		4	< 17 kA	50 kA	Brown	
		6	< 17 kA	50 kA	Green	
		10	< 17 kA	50 kA	Red	
		13	< 17 kA	50 kA	Black	
		16	< 17 kA	50 kA	Gray	
	D02	20	< 17 kA	50 kA	Blue	-- 5SE2320 5SE2325 5SE2332 5SE2335 5SE2340 5SE2350 5SE2363
		25	< 17 kA	50 kA	Yellow	
		32	< 17 kA	50 kA	Violet	
		35	< 17 kA	50 kA	Black	
		40	< 17 kA	50 kA	Black	
		50	< 17 kA	50 kA	White	
	D03	80	< 17 kA	50 kA	Blue	-- 5SE2280 5SE2300
		100	< 17 kA	50 kA	Red	

1) I_d : let-through current of fuse



2) I_k : system-dependent short-circuit current

Technical specifications

Operational class gG 500 V

The fuses listed below have a let-through current of max. 17 kA at a rated short-circuit current of **50 kA** rms.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

	Size	U_n	I_n	$I_d^{1)}$	$I_k^{2)}$	Identification color	Thread	Article No. www.siemens.com/product?Article No.
		V AC/V DC	A					
DIAZED fuse links								
Operational class gG								
	DII	500/500	2	< 17 kA	50 kA	Pink	E27	5SB211
			4	< 17 kA	50 kA	Brown		5SB221
			6	< 17 kA	50 kA	Green		5SB231
			10	< 17 kA	50 kA	Red		5SB251
			16	< 17 kA	50 kA	Gray		5SB261
			20	< 17 kA	50 kA	Blue		5SB271
	25	< 17 kA	50 kA	Yellow	5SB281			
	DIII	500/500	32	< 17 kA	50 kA	Violet	E33	5SB4010
			35	< 17 kA	50 kA	Black		5SB411
			50	< 17 kA	50 kA	White		5SB421
63			< 17 kA	50 kA	Copper	5SB431		
DIV	500/400	80	< 17 kA	50 kA	Silver	R1¼"	5SC211	
		100	< 17 kA	50 kA	Red		5SC221	
		Characteristic: slow						
	TNDz	500/500	2	< 17 kA	50 kA	Pink	E16	5SA211
			4	< 17 kA	50 kA	Brown		5SA221
			6	< 17 kA	50 kA	Green		5SA231
			10	< 17 kA	50 kA	Red		5SA251
			16	< 17 kA	50 kA	Gray		5SA261
			20	< 17 kA	50 kA	Blue		5SA271
			25	< 17 kA	50 kA	Yellow		5SA281


1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current

Operational class slow 500 V

The fuses listed below have a let-through current of max. 17 kA at a rated short-circuit current of **40 kA** rms.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

	Size	U_n	I_n	$I_d^{1)}$	$I_k^{2)}$	Identification color	Thread	Article No. www.siemens.com/product?Article No.
		V AC/V DC	A					
Characteristic: slow								
	TNDz	500/500	2	< 17 kA	50 kA	Pink	E16	5SA211
			4	< 17 kA	50 kA	Brown		5SA221
			6	< 17 kA	50 kA	Green		5SA231
			10	< 17 kA	50 kA	Red		5SA251
			16	< 17 kA	50 kA	Gray		5SA261
			20	< 17 kA	50 kA	Blue		5SA271
			25	< 17 kA	50 kA	Yellow		5SA281

Fuse Systems

Cylindrical Fuse Systems




Cylindrical fuse links and cylindrical fuse holders

Technical specifications

Operational class gG

The fuses listed below marked green or yellow have a let-through current of max. 17 kA at a rated short-circuit current of **120 kA** rms or with the listed limit value of system-dependent short-circuit current.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

	Size	I_n	$I_d^{1)}$	$I_k^{2)}$	U_n	Article No. www.siemens.com/ product?Article No.
	mm x mm	A			V AC	
Cylindrical fuse links, operational class gG						
	10 x 38	0.5	< 17 kA	120 kA	500	3NW6000-1
		1	< 17 kA	120 kA		3NW6011-1
		2	< 17 kA	120 kA		3NW6002-1
		4	< 17 kA	120 kA		3NW6004-1
		6	< 17 kA	120 kA		3NW6001-1
		8	< 17 kA	120 kA		3NW6008-1
		10	< 17 kA	120 kA		3NW6003-1
		12	< 17 kA	120 kA		3NW6006-1
		16	< 17 kA	120 kA		3NW6005-1
		20	< 17 kA	120 kA		3NW6007-1
		25	< 17 kA	120 kA		3NW6010-1
		32	< 17 kA	120 kA		3NW6012-1
	14 x 51	4	< 17 kA	120 kA	500	3NW6104-1
		6	< 17 kA	120 kA		3NW6101-1
		8	< 17 kA	120 kA		3NW6108-1
		10	< 17 kA	120 kA		3NW6103-1
		12	< 17 kA	120 kA		3NW6106-1
		16	< 17 kA	120 kA		3NW6105-1
		20	< 17 kA	120 kA		3NW6107-1
		25	< 17 kA	120 kA		3NW6110-1
		32	< 17 kA	120 kA		3NW6112-1
		40	< 17 kA	120 kA		3NW6117-1
50	< 17 kA	120 kA	3NW6120-1			
	22 x 58	16	< 17 kA	120 kA	500	3NW6205-1
		20	< 17 kA	120 kA		3NW6207-1
		25	< 17 kA	120 kA		3NW6210-1
		32	< 17 kA	120 kA		3NW6212-1
		40	< 17 kA	120 kA		3NW6217-1
		50	< 17 kA	120 kA		3NW6220-1
		63	< 17 kA	120 kA		3NW6222-1
		80	< 17 kA	120 kA		3NW6224-1
		100	7 kA at 90 kA	120 kA		3NW6230-1



1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current

Operational class aM

The fuses listed below have a let-through current of max. 17 kA at a rated short-circuit current of **120 kA** rms.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

	Size mm x mm	I_n A	$I_d^{1)}$	$I_k^{2)}$	U_n V AC	Article No. www.siemens.com/ product?Article No.
Cylindrical fuse links, operational class aM						
	10 x 38	0.5	< 17 kA	120 kA	500	3NW8000-1
		1	< 17 kA	120 kA		3NW8011-1
		2	< 17 kA	120 kA		3NW8002-1
		4	< 17 kA	120 kA		3NW8004-1
		6	< 17 kA	120 kA		3NW8001-1
		8	< 17 kA	120 kA		3NW8008-1
		10	< 17 kA	120 kA		3NW8003-1
		12	< 17 kA	120 kA		3NW8006-1
		16	< 17 kA	120 kA		3NW8005-1
		20	< 17 kA	120 kA		3NW8007-1
		25	< 17 kA	120 kA		3NW8010-1
		32	< 17 kA	120 kA		3NW8012-1
	14 x 51	2	< 17 kA	120 kA	500	3NW8102-1
		4	< 17 kA	120 kA		3NW8104-1
		6	< 17 kA	120 kA		3NW8101-1
		8	< 17 kA	120 kA		3NW8108-1
		10	< 17 kA	120 kA		3NW8103-1
		12	< 17 kA	120 kA		3NW8106-1
		16	< 17 kA	120 kA		3NW8105-1
		20	< 17 kA	120 kA		3NW8107-1
		25	< 17 kA	120 kA		3NW8110-1
		32	< 17 kA	120 kA		3NW8112-1
		40	< 17 kA	120 kA		3NW8117-1
		50	< 17 kA	120 kA		3NW8120-1

1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current

Fuse Systems

3NA, 3ND LV HRC Fuse Links





LV HRC fuse links (500 V - gG)

Technical specifications

The fuses listed below marked green or yellow have a let-through current of max. 17 kA at a rated short-circuit current of **120 kA** rms or with the listed limit value of system-dependent short-circuit current.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.



The fuses marked red also have a let-through current of > 17 kA with a smaller system-dependent short-circuit current. Thus the short-circuit test has to be carried out.

Size	Mounting width mm	I_n A	$I_d^{(1)}$	$I_k^{(2)}$	U_n V AC/ V DC	Non-insulated grip lugs		Insulated grip lugs		
						with front indicator	with combination alarm	with combination alarm		
						Article No. www.siemens.com/ product?Article No.	Article No. www.siemens.com/ product?Article No.	Article No. www.siemens.com/ product?Article No.		
LV HRC fuse links with combination alarm, operational class gG										
	000	21	2	< 17 kA	120 kA	500/ 250	3NA3802	3NA7802	3NA6802	
			4	< 17 kA	120 kA		3NA3804	3NA7804	3NA6804	
			6	< 17 kA	120 kA		3NA3801	3NA7801	3NA6801	
			10	< 17 kA	120 kA		3NA3803	3NA7803	3NA6803	
			16	< 17 kA	120 kA		3NA3805	3NA7805	3NA6805	
			20	< 17 kA	120 kA		3NA3807	3NA7807	3NA6807	
			25	< 17 kA	120 kA		3NA3810	3NA7810	3NA6810	
			32	< 17 kA	120 kA		3NA3812	3NA7812	3NA6812	
			35	< 17 kA	120 kA		3NA3814	3NA7814	3NA6814	
			40	< 17 kA	120 kA		3NA3817	3NA7817	3NA6817	
			50	< 17 kA	120 kA		3NA3820	3NA7820	3NA6820	
			63	< 17 kA	120 kA		3NA3822	3NA7822	3NA6822	
			80	< 17 kA	120 kA		3NA3824	3NA7824	3NA6824	
			100	< 17 kA	120 kA		3NA3830	3NA7830	3NA6830	
125	17 kA at 84.7 kA	400/250	3NA3832-8							
160	17 kA at 55.8 kA		3NA3836-8							
	00	30	35	< 17 kA	120 kA	500/250	3NA3814-7	--	--	
			50	< 17 kA	120 kA		3NA3820-7	--	--	
			63	< 17 kA	120 kA		3NA3822-7	--	--	
			80	< 17 kA	120 kA		500/ 250	3NA3824-7	3NA7824-7	3NA6824-7
			100	< 17 kA	120 kA			3NA3830-7	3NA7830-7	3NA6830-7
			125	< 17 kA	120 kA			3NA3832	3NA7832	3NA6832
			160	17 kA at 94.7 kA				3NA3836	3NA7836	3NA6836
	0	30	6	< 17 kA	120 kA	500/440	3NA3001	--	--	
			10	< 17 kA	120 kA		3NA3003	--	--	
			16	< 17 kA	120 kA		3NA3005	--	--	
			20	< 17 kA	120 kA		3NA3007	--	--	
			25	< 17 kA	120 kA		3NA3010	--	--	
			32	< 17 kA	120 kA		3NA3012	--	--	
			35	< 17 kA	120 kA		3NA3014	--	--	
			40	< 17 kA	120 kA		3NA3017	--	--	
			50	< 17 kA	120 kA		3NA3020	--	--	
			63	< 17 kA	120 kA		3NA3022	--	--	
			80	< 17 kA	120 kA		3NA3024	--	--	
			100	< 17 kA	120 kA		3NA3030	--	--	
125	< 17 kA	120 kA	3NA3032	--	--					
160	17 kA at 94.4 kA		3NA3036	--	--					
	1	30	16	< 17 kA	120 kA	500/ 440	3NA3105	3NA7105	3NA6105	
			20	< 17 kA	120 kA		3NA3107	3NA7107	3NA6107	
			25	< 17 kA	120 kA		3NA3110	3NA7110	3NA6110	
			35	< 17 kA	120 kA		3NA3114	3NA7114	3NA6114	
			40	< 17 kA	120 kA		3NA3117	3NA7117	3NA6117	
			50	< 17 kA	120 kA		3NA3120	3NA7120	3NA6120	
			63	< 17 kA	120 kA		3NA3122	3NA7122	3NA6122	
			80	< 17 kA	120 kA		3NA3124	3NA7124	3NA6124	
			100	< 17 kA	120 kA		3NA3130	3NA7130	3NA6130	
			125	< 17 kA	120 kA		3NA3132	3NA7132	3NA6132	
			160	17 kA at 94.7 kA			3NA3136	3NA7136	3NA6136	
			47.2	200	17 kA at 60.0 kA		3NA3140	3NA7140	3NA6140	
			224	17 kA at 31.7 kA	3NA3142		3NA7142	3NA6142		
			250	17 kA at 20.9 kA	3NA3144		3NA7144	3NA6144		

Fuse Systems

3NA, 3ND LV HRC Fuse Links

LV HRC fuse links (500 V - gG)

Size	Mounting width mm	I_n A	$I_d^{1)}$	$I_k^{2)}$	U_n V AC/ V DC	Non-insulated grip lugs		Insulated grip lugs	
						with front indicator Article No. www.siemens.com/ product?Article No.	with combination alarm Article No. www.siemens.com/ product?Article No.	with combination alarm Article No. www.siemens.com/ product?Article No.	
	47.2	35	< 17 kA	120 kA	500/ 440	3NA3214	3NA7214	3NA6214	
		50	< 17 kA	120 kA		3NA3220	3NA7220	3NA6220	
		63	< 17 kA	120 kA		3NA3222	3NA7222	3NA6222	
		80	< 17 kA	120 kA		3NA3224	3NA7224	3NA6224	
		100	< 17 kA	120 kA		3NA3230	3NA7230	3NA6230	
		125	< 17 kA	120 kA		3NA3232	3NA7232	3NA6232	
		160	17 kA at 94.7 kA			3NA3236	3NA7236	3NA6236	
		200	17 kA at 59.6 kA			3NA3240	3NA7240	3NA6240	
		224	17 kA at 31.6 kA			3NA3242	3NA7242	3NA6242	
		250	17 kA at 20.1 kA			3NA3244	3NA7244	3NA6244	
		57.8	300	> 17 kA			3NA3250	--	3NA6250
			315	> 17 kA			3NA3252	3NA7252	3NA6252
			355	> 17 kA			3NA3254	--	3NA6254
			400	> 17 kA			3NA3260	3NA7260	3NA6260
	57.8	200	17 kA at 59.3 kA		500/440	3NA3340	--	--	
		224	17 kA at 31.9 kA			3NA3342	--	--	
		250	17 kA at 20.9 kA			3NA3344	--	--	
		300	> 17 kA			3NA3350	--	--	
		315	> 17 kA			3NA3352	--	--	
		355	> 17 kA			3NA3354	--	--	
		400	> 17 kA			3NA3360	--	--	
		71.2	425	> 17 kA			3NA3362	--	--
			500	> 17 kA			3NA3365	--	--
			630	> 17 kA			3NA3372	--	--

1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current

Fuse Systems

3NA, 3ND LV HRC Fuse Links






LV HRC fuse links (690 V - gG)

Technical specifications

The fuses listed below marked green or yellow have a let-through current of max. 17 kA at a rated short-circuit current of **120 kA** rms or with the listed limit value of system-dependent short-circuit current.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

The fuses marked red also have a let-through current of > 17 kA with a smaller system-dependent short-circuit current. Thus the short-circuit test has to be carried out.

Size	Mounting width mm	I_n A	$I_d^{1)}$	$I_k^{2)}$	U_n V AC/ V DC	Non-insulated grip lugs				
						with front indicator Article No. www.siemens.com/ product?Article No.	with combination alarm Article No. www.siemens.com/ product?Article No.	Insulated grip lugs with combination alarm Article No. www.siemens.com/ product?Article No.		
LV HRC fuse links with combination alarm, operational class gG										
	000	21	2	< 17 kA	120 kA	690 ³⁾ / 250	3NA3802-6	3NA7802-6	3NA6802-6	
			4	< 17 kA	120 kA					
			6	< 17 kA	120 kA					
			10	< 17 kA	120 kA					
			16	< 17 kA	120 kA					
			20	< 17 kA	120 kA					
			25	< 17 kA	120 kA					
			32	< 17 kA	120 kA					
			35	< 17 kA	120 kA					
	00	30	40	< 17 kA	120 kA	690 ³⁾ / 250	3NA3817-6	3NA7817-6	3NA6817-6	
			50	< 17 kA	120 kA					
			63	< 17 kA	120 kA					
			80	< 17 kA	120 kA					
			100	< 17 kA	120 kA					
	1	30	50	< 17 kA	120 kA	690 ³⁾ / 440	3NA3120-6	3NA7120-6	3NA6120-6	
			63	< 17 kA	120 kA					
			80	< 17 kA	120 kA					
			100	< 17 kA	120 kA					
			125	< 17 kA	120 kA					
			160	17 kA at 93.4 kA						
			47.2	200	17 kA at 59.8 kA					
	2	47.2	80	< 17 kA	120 kA	690 ³⁾ / 440	3NA3224-6	3NA7224-6	3NA6224-6	
			100	< 17 kA	120 kA					
			125	< 17 kA	120 kA					
			160	17 kA at 94.7 kA						
			200	17 kA at 59.6 kA						
			57.8	224	17 kA at 31.7 kA					
				250	17 kA at 20.9 kA					
				300	> 17 kA					
				315	> 17 kA					
	3	57.8	250	17 kA at 20.9 kA		690 ³⁾ /440	3NA3344-6	--	--	
			315	> 17 kA						
			71.2	355	> 17 kA					
				400	> 17 kA					
				425	> 17 kA					
				500	> 17 kA					

1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current






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

Technical specifications

The fuses listed below marked green or yellow have a let-through current of max. 17 kA at a rated short-circuit current of **100 kA** rms or with the listed limit value of system-dependent short-circuit current.

For this reason, in accordance with IEC 61439-1, Section 10.11.2, the short-circuit test of the system can be eliminated. The specifications refer to the rated voltage of the fuse.

The fuses marked red also have a let-through current of > 17 kA with a smaller system-dependent short-circuit current. Thus the short-circuit test has to be carried out.

Size	Mounting width mm	I_n A	$I_d^{1)}$	$I_k^{2)}$	U_n V AC/V DC	Non-insulated grip lugs Article No. www.siemens.com/ product?Article No.	
LV HRC fuse links with front indicator, operational class aM							
	000	21	6	< 17 kA	100 kA	500/--	3ND1801 3ND1803 3ND1805 3ND1807 3ND1810 3ND1812 3ND1814 3ND1817 3ND1820 3ND1822 3ND1824
			10	< 17 kA	100 kA		
			16	< 17 kA	100 kA		
			20	< 17 kA	100 kA		
			25	< 17 kA	100 kA		
			32	< 17 kA	100 kA		
			35	< 17 kA	100 kA		
			40	< 17 kA	100 kA		
			50	< 17 kA	100 kA		
			63	< 17 kA	100 kA		
	80	< 17 kA	100 kA				
	00	30	100	< 17 kA	100 kA	500/--	3ND1830 3ND1832 3ND1836
			125	< 17 kA	100 kA		
			160	17 kA at 100 kA			
	1	30	63	< 17 kA	100 kA	690/--	3ND2122 3ND2124 3ND2130
			80	< 17 kA	100 kA		
			100	17 kA at 79.7 kA			
		47.2	125	17 kA at 52.8 kA		3ND2132 3ND2136 3ND2140 3ND2144	
	160		17 kA at 35.6 kA				
	200		17 kA at 22.1 kA				
	250	> 17 kA					
	2	47.2	125	17 kA at 54.2 kA		690/--	3ND2232 3ND2236 3ND2240 3ND2244
			160	17 kA at 35.0 kA			
			200	17 kA at 20.6 kA			
		57.8	250	> 17 kA		3ND2252 3ND2254 3ND2260	
	315		> 17 kA				
	355		> 17 kA				
	400	> 17 kA					
	3	57.8	315	> 17 kA		690/--	3ND2352 3ND2354 3ND2360
			355	> 17 kA			
		71.2	400	> 17 kA		3ND1365 3ND1372	
	500		> 17 kA				
	630		> 17 kA				

1) I_d : let-through current of fuse

2) I_k : system-dependent short-circuit current