

Technical specifications							
Design		Surge protection adapters					
		(SCHUKO), line connector	TC analog/ TAE	ISDN	TV/radio	TC analog/ RJ12	TV/SAT
Order No.		5SD7 435-0	5SD7 435-2	5SD7 435-3	5SD7 435-5	5SD7 435-6	5SD7 435-7
Approvals		VDE (available soon)					
Requirement category		D to E DIN VDE 06754-6; SPD class III according to IEC 61643-11; SPD type 3 according to EN 61643-1					
Line connector							
Rated voltage U_N (power supply)	V AC	230	230	230	230	230	230
Rated current I_N /ambient temperature	A/°C	16/30	16/30	16/30	16/30	16/30	16/30
Rated arrester voltage U_c (power supply)							
• L/N	V AC	275	275	275	275	275	275
• L-(N)-PE	V AC	360	360	360	360	360	360
Rated discharge surge current I_n (8/20 µs)	kA	3	3	3	3	3	3
Combined surge U_{oc}	kV	4	4	4	4	4	4
Protection level U_p							
• Core – Shield/Core – Ground	kV	≤ 1.2	≤ 1.2	≤ 1.2	≤ 1.2	≤ 1.2	≤ 1.2
Response time t_a	ns	25	25	25	215	25	25
Device protection							
Rated voltage U_N (power supply)	V AC	230	--	--	--	--	--
Rated current I_N /ambient temperature	A/°C	16/30	1.5/25	1.5/25	1.5/25	1.5/25	1.5/25
Rated arrester voltage U_c (power supply)							
• L/N	V AC	275	--	--	--	--	--
	V DC	--	200	6	72	200	72
• L-(N)-PE	V AC	360	--	--	--	--	--
	V DC	--	200	6	72	200	72
Rated discharge surge current I_n (8/20 µs)							
• Core – Shield	kA	3	1	0.65	2.5	1	2.5
• Core – Ground	kA	3	2.5	2.5	5	2.5	5
Combined surge U_{oc}	kV	4	--	--	--	--	--
Protection level U_p							
• Core – Shield/Core – Ground	kV	≤ 1.2	≤ 0.9	--	≤ 0.7/≤ 0.9	≤ 0.9	≤ 0.7/≤ 0.9
Output voltage limit at 1 kV/µs							
• Core - Core	V	--	≤ 360	≤ 65	--	--	--
• Core – Shield	V	--	--	--	≤ 700	--	≤ 700
• Core – Ground	V	--	≤ 450	≤ 900	≤ 900	--	≤ 900
Residual current at I_n							
• Core – Core	V	--	≤ 35	--	--	≤ 35	--
• Core – Shield	V	≤ 1200	--	--	≤ 30	--	≤ 30
• Core – Ground	V	≤ 900	≤ 30	--	≤ 30	≤ 30	≤ 30
		L-/N/PE					
Response time t_a							
• Core – Core	ns	--	≤ 25	≤ 1	--	≤ 25	--
• Core – Shield	ns	≤ 25	--	--	≤ 100	--	≤ 100
• Core – Ground	ns	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
		L-/N/PE					
Limit frequency f_G (3 dB)							
• In 100 Ω system (typ.)	--	--	--	--	≥ 1.8 GHz	--	≥ 1.8 GHz
• In 600 Ω system (typ.)	--	--	300 kHz	--	--	--	--
	--	--	700 kHz	--	--	700 kHz	--
General							
Temperature range	°C	-25 ... +75					
Flammability category according to UL 94		V0					
Degree of protection according to IEC 60529		IP20					