

Technical specifications

		Overvoltage protection adapters					
		SCHUKO, line protection 5SD7 435-0	TC analog/ TAE 5SD7 435-2	ISDN/RDSI 5SD7 435-3	TV/radio 5SD7 435-5	TC analog/ RJ12 5SD7 435-6	TV/SAT 5SD7 435-7
Standards		IEC 61643-11; EN 61643-11					
Approved acc. to		VDE					
Rated voltage U_N (power supply)	V AC	230					
Rated load current I_L (at 30 °C)	A	16	1.5				
Rated arrester voltage U_C (power supply)							
• L/N	V AC V DC	275 --	-- 200	-- 6	-- 72	-- 200	-- 72
• L-(N)-PE	V AC V DC	360 --	-- 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 L-/N/PE	≤ 30	--	≤ 30	≤ 30	≤ 30
Response time t_A							
• Core - Core	ns	--	≤ 25	≤ 1	--	≤ 25	--
• Core - Shield	ns	≤ 25	--	--	≤ 100	--	≤ 100
• Core - Ground	ns	≤ 100 L-/N/PE	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
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	--
Temperature range	°C	-25 ... +75					
Flammability category	according to UL 94	V0					
Degree of protection	according to IEC 60529	IP20, with connected conductors					