

Technical specifications

		5SD7 442-1	5SD7 443-1	5SD7 444-1
Standards		IEC 61643-11; EN 61643-11		
Approved acc. to		KEMA (available soon)		
Rated voltage U_N	V AC	230/400		
Rated arrester voltage U_C				
• L/N, N/PE, L/PEN	V AC	350		
Lightning impulse current I_{imp} (10/350 μs)				
• L/N or L/PEN, 1P/3P	kA	25/100	25/75	25/100
• N/PE	kA	100	--	100
Rated discharge surge current I_n (8/20 μs)				
• L/N or L/PEN, 1P/3P	kA	25/100	25/75	25/100
• N/PE	kA	100	--	100
Protection level U_p				
• L/N, N/PE, L/PEN	kV	≤ 1.5		
Follow current discharge capacity I_{fi} (AC)				
• L/N or L/PEN	kA	25	25	25
• N/PE	A	100	--	100
Response time t_A				
• L/N or L/PEN	ns	≤ 100	≤ 100	≤ 100
• L-(N)-PE	ns	≤ 100	--	≤ 100
Required back-up fuse, max.	A	315 gL/gG	315 gL/gG	315 gL/gG
Short-circuit strength with max. back-up fuse	kA _{rms}	50	50	50
Temperature range	°C	-40 ... +80		
Degree of protection		IP20, with connected conductors		
Conductor cross-section				
• Finely stranded	mm ²	0.5 ... 25		
• Solid	mm ²	0.5 ... 35		
Mounting width	acc. to DIN 43880	MW	4	6
Visual function/fault indication		Yes		
Remote signaling		Yes		
• Contact type		Floating CO contact (plug-in)		
• Operational voltage, max.	V AC V DC	250 125		
• Operational current, max.				
- resistive/inductive load	A AC	1/1		
- resistive/inductive load	DC mA	200/30		
• Conductor cross-section				
- finely stranded	mm ²	1.5		
- solid	mm ²	1.5		