

# Technical specifications

		5SD7 412-1	5SD7 413-1	5SD7 414-1
<b>Standards</b>		IEC 61643-11; EN 61643-11		
<b>Approved</b> acc. to		KEMA (available soon)		
<b>Rated voltage</b> $U_N$	V AC	230/400	230/400	230/400
<b>Rated arrester voltage</b> $U_C$				
• L/N, N/PE, L/PEN	V AC	350		
<b>Lightning impulse current</b> $I_{imp}$ (10/350 $\mu$ s)				
• L/N or L/PEN, 1P/3P	kA	25/100	25/75	25/100
• N/PE	kA	100	--	100
<b>Rated discharge surge current</b> $I_n$ (8/20 $\mu$ s)				
• L/N or L/PEN, 1P/3P	kA	25/100	25/75	25/100
• N/PE	kA	100	--	100
<b>Protection level</b> $U_p$				
• L/N, N/PE, L/PEN	kV	≤ 1.5		
<b>Follow current discharge capacity</b> $I_{fi}$ (AC)				
• L/N or L/PEN	kA	50	50	50
• N/PE	A	100	--	100
<b>Response time</b> $t_A$				
• L/N or L/PEN	ns	≤ 100	≤ 100	≤ 100
• L-(N)-PE	ns	≤ 100	--	≤ 100
<b>Required back-up fuse, max.</b>	A	315 gL/gG		
<b>Short-circuit strength</b> with max. back-up fuse	kA <sub>rms</sub>	50		
<b>Temperature range</b>	°C	-40 ... +80		
<b>Degree of protection</b>		IP20, with connected conductors		
<b>Conductor cross-section</b>				
• Finely stranded	mm <sup>2</sup>	0.5 ... 25		
• Solid	mm <sup>2</sup>	0.5 ... 35		
<b>Mounting width</b>	acc. to DIN 43880	MW	4	6
<b>Remote signaling</b>				8
• Contact type		Yes		
• Operational voltage, max.	V AC	Floating CO contact (plug-in)		
	V DC	250		
• Operational current, max.		125		
- resistive/inductive load	A AC	1/1		
- resistive/inductive load	DC mA	200/30		
• Conductor cross-section				
- finely stranded	mm <sup>2</sup>	1.5		
- solid	mm <sup>2</sup>	1.5		