




Overvoltage Protection Devices

5SD7 surge arresters, type 2

	Narrow design			
	5SD7422-0 5SD7422-1	5SD7424-0 5SD7424-1	5SD7424-2 5SD7424-3	
Standards	IEC 61643-11; EN 61643-11			
Approvals	KEMA/UL/cUL			KEMA
Rated voltage U_N	V AC	240	240/415	240/415
Rated arrester voltage U_C				
• L-N or L-(PE)N	V AC	350	350	350
• N-PE	V AC	264	264	264
Rated discharge surge current I_n (8/20 s)				
• L-N or L-(PE)N	kA	20	20	20
• N-PE	kA	20	20	40
Max. discharge surge current I_{max} (8/20 s)				
• L-N or L-(PE)N	kA	40	40	40
• N-PE	kA	40	40	80
Protection level U_p				
• L-(PE)N	kV	1.50	1.50	1.50
• L-PE	kV	1.90	1.90	1.90
• N-PE	kV	1.50	1.50	1.50
Response time t_A				
• L-N	ns	25	25	25
• N-PE	ns	100	100	100
Max. back-up fuse	Acc. to IEC 61643-1			
• For stub wiring	A	315 gL/gG		
• For V-wiring	A	63 gL/gG		
Short-circuit withstand current with max. back-up fuse	kA	25	25	25
Temperature range	°C	-40 ... +80		
Degree of protection		IP20, with connected conductors		
Conductor cross-section				
• Finely stranded	mm ²	1.5 ... 16		
• Solid	mm ²	1.5 ... 25		
Mounting width	Acc. to DIN 43880	mm	26	50
Visual function/fault indication			Yes	

Selection and ordering data

Version	Mounting width	SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	MW	d					
Surge arresters, standard design							
	1-pole, N-PE						
	• Without remote signaling	1	5SD7481-0		1	1 unit	1BK
	1-pole						
	• Without remote signaling	1	5SD7461-0		1	1 unit	1BK
	• With remote signaling	1	5SD7461-1		1	1 unit	1BK
	• With remote signaling		2	5SD7481-1	1	1 unit	1BK