

Technical specifications

Design		Multipole surge arresters, plug-in				
		2-pole				4-pole
Order No.		5SD7 432-1	5SD7 432-2	5SD7 432-3	5SD7 432-4	5SD7 434-1
Approvals		KEMA				
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				
Rated voltage U_N	V AC	230	120	60	24	230/400
	V DC	230	120	60	24	--
Rated current I_N (at 30 °C)	A	26	26	26	26	3 x 26
Rated arrester voltage U_c	V AC	253	150	100	34	335
	V DC	275	200	130	44	--
Rated discharge surge current I_n (8/20 μ s)	kA	3	2.5	2.5	1	1.5
Max. discharge surge current I_{max} (8/20 μ s)	kA	10	10	6.5	2	4.5
Combined surge U_{oc}	kV	6	6	4	2	4
Protection level U_p	V	$\leq 1500/\leq 600$	$\leq 850/\leq 350$	$\leq 700/\leq 250$	$\leq 550/\leq 100$	≤ 1200
Response time t_A	ns	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
Max. required back-up protection	A	25 gL/gG	25 gL/gG	25 gL/gG	25 gL/gG	25 gL/gG
Temperature range	°C	-40 ... +85				
Degree of protection		IP20				
Conductor cross-section						
<ul style="list-style-type: none"> • Finely stranded • Solid 	mm ²	0.2 ... 4				
	mm ²	0.2 ... 2.5				
Mounting width according to DIN 43880	MW	1	1	1	1	2
Visual function/fault indication		yes				
Remote signaling		yes				
Contact type		NC contacts				
Operational voltage, max.	V	250				
Operational current, max.	A	3				