

FLP-SG50 VS/1

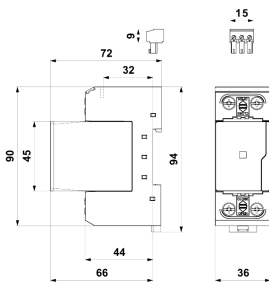
Ordering number 8595090540533

SPD type 1 - Lightning Current Arrester

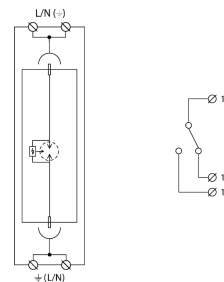
Installation at the boundary of zones LPZ 0 and LPZ 1. Protection against impact of direct or indirect lightning strike in the hardest application in heavy, chemical and energy industry. Coordination with SPD type 2 (SLP-275 V) even without surge separating inductors. Remote status signaling (S).



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		T1
Nominal voltage	U_n	230 V AC
Maximum operating voltage	U_c	255 V AC
Nominal load current for "V" connection	I_L	125 A
Lightning impulse current (10/350 μs)	I_{imp}	50,00 kA
Nominal discharge current (8/20 μs)	I_n	50,00 kA
Voltage protection level	U_p	2,50 kV
Ability to independently switch off the following current	I_{fi}	50,0 kA
Short-circuit current rating	I_{SCCR}	50,0 kA
Maximum overcurrent protection		315 A gL/gG
Maximum overcurrent protection for "V" connection		125 A gL/gG
Response time	t_a	100 ns
TOV 5 s L-N		335 V
TOV 5 s L-PE		440 V
TOV characteristic (TOV 5 s)		withstand
TOV 120 min L-N		440 V
TOV 120 min L-PE		335 V
TOV characteristic (120 min)		withstand
Cross-section of connected conductors solid (min)		2,50 mm ²
Cross-section of connected conductors solid (max)		50,00 mm ²
Cross-section of connected conductors stranded (min)		2,50 mm ²
Cross-section of connected conductors stranded (max)		35,00 mm ²
Fault indication		red indication field
Remote indication		potential-free change-over contact
Remote indication contacts		250V/0,5A AC, 250V/0,1A DC
Cross-section of remote indication conductors		1,5 mm ²
Degree of protection		IP 20
Range of operating temperatures - min		-40 °C
Range of operating temperatures - max		80 °C
Mounting		DIN rail 35 mm
According to standard		EN 61643-11:2012, IEC 61643-11:2011
Plug module		FLP-SG50 VS/0
ETIM Class		EC000381