

FLP-12,5 V/3S+1

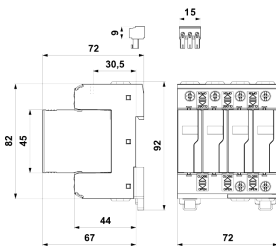
Ordering number 8595090534280

SPD type 1 and type 2- Lightning Current Arrester and Surge Arrester

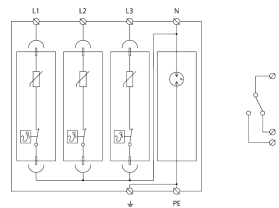
Combination of varistor lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode. Installation at the boundary of zones LPZ 0 and LPZ 1 or higher. Protection against impact of partial lightning currents, induced surge during a lightning strike or switching surges. For objects in LPL III and IV. Remote status signaling (S).



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		T1,T2
Nominal voltage	U_n	230 V AC
Maximum operating voltage L-N	U_c	275 V AC
Maximum operating voltage N-PE	U_c	255 V AC
Lightning impulse current (10/350 μ s) L-N	I_{imp}	12,50 kA
Lightning impulse current (10/350 μ s) N-PE	I_{imp}	50,00 kA
Nominal discharge current (8/20 μ s) L-N	I_n	30,00 kA
Nominal discharge current (8/20 μ s) N-PE	I_n	50,00 kA
Maximum discharge current (8/20 μ s) L-N	I_{max}	60,00 kA
Maximum discharge current (8/20 μ s) N-PE	I_{max}	100,00 kA
Voltage protection level at 5 kA L-N	U_p	0,90 kV
Voltage protection level mode L-N	U_p	1,20 kV
Voltage protection level mode N-PE	U_p	1,50 kV
Voltage protection level mode L-PE	U_p	1,50 kV
Short-circuit current rating	I_{SCCR}	50,0 kA
Maximum overcurrent protection		160 A gL/gG
Response time L-N	t_a	25 ns
Response time N-PE	t_a	100 ns
TOV 5 s L-N		335 V
TOV characteristic (TOV 5 s)		withstand
TOV 200 ms N-PE		1 200 V
TOV characteristic (TOV 200 ms)		withstand
Cross-section of connected conductors solid (min)		1,00 mm ²
Cross-section of connected conductors solid (max)		35,00 mm ²
Cross-section of connected conductors stranded (min)		1,00 mm ²
Cross-section of connected conductors stranded (max)		25,00 mm ²
Fault indication L-N		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-12,5 V/0
ETIM Class	EC001457