FLP-12,5 V/2 S

SPD - for low voltage / SPD type 1 / MOV

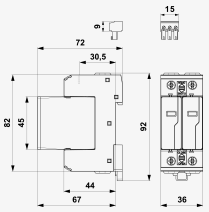
Lightning current and surge arrester for single-phase system TN-S

pluggable module, visual fault signalling, module locking, remote fault signalling

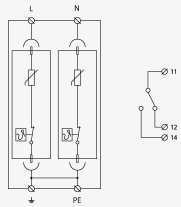
- two-pole varistor lightning current arrester
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, for objects in LPL III and IV
- for protection against impact of partial lightning currents, induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T1,T2
Mounting		DIN rail 35 mm
Nominal voltage	U_n	230.00 V AC
Maximum operating voltage	U_c	275.00 V AC
Maximum operating voltage	U_c	350.00 V DC
Type of network		TN
Maximum overcurrent protection		160 A gL/gG
Short-circuit current rating	I_{SCCR}	50.0 kA
Total discharge current (10/350 µs)	$I_{Total(10/350)}$	25.00 kA
Lightning impulse current (10/350 µs)	I_{imp}	12.50 kA
Nominal discharge current (8/20 µs)	I_n	30.00 kA
Maximum discharge current (8/20 µs)	I_{max}	60.00 kA
Voltage protection level	U_p	1.50 kV
Voltage protection level at 5 kA	U_p	0.90 kV
Response time	t_a	25 ns
TOV 5 s L-N		335 V
TOV characteristic (TOV 5 s)		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
Cross-section of remote indication conductors solid (max)	1.5 mm^2
Cross-section of remote indication conductors stranded (max)	1.5 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
Degree of protection	IP 20
Range of ambient temperatures (min/max)	-40 / 80 °C
Humidity	5 - 95 %
According to standard	EN 61643-11:2012, IEC 61643-11:2011
ETIM Class	EC001457
Plug module	FLP-12,5 V/0
Customs tariff number	85363090
EAN	8595090551829
Order number	A05182