FLP-SG50 V/1

SPD - for low voltage / SPD type 1 / Spark-gap

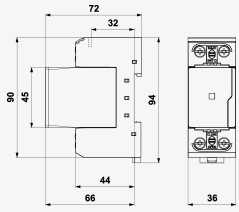
Lightning current arrester for TN or TT system

pluggable module, visual fault signalling, module locking

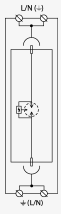
- encapsulated high-performance spark gap
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in the hardest application in heavy, chemical and energy industry
- coordination with SPD type 2 (SLP-275 V) even without surge separating inductors



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T1
Mounting		DIN rail 35 mm
Nominal voltage	U_n	230.00 V AC
Maximum operating voltage	U_c	255.00 V AC
Nominal load current for "V" connection	I_L	125 A
Type of network		TN
Maximum overcurrent protection		315 A gL/gG
Maximum overcurrent protection for "V" connection		125 A gL/gG
Short-circuit current rating	I_{SCCR}	50.0 kA
Residual current	I_{PE}	0.550 mA
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

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	no
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	EC000381
Plug module	FLP-SG50 V/0
Customs tariff number	85363090
EAN	8595090540540
Order number	A04054