

# FLP-SG50 V/1

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

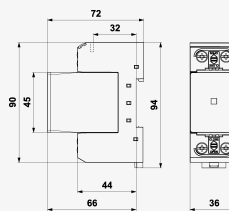
Lightning current arrester for TN or TT system

pluggable module, visual fault signalling, module locking

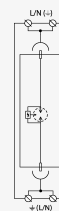
- encapsulated high-performance spark gap
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in the hardest application in heavy, chemical and energy industry
- coordination with 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 $\mu$ s)	$I_{imp}$ 50.00 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$ 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 <sup>2</sup>
Cross-section of connected conductors solid (max)		50.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)		2.50 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)		35.00 mm <sup>2</sup>
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