

# FLP-25-T1-VS/1+1

## SPD - for low voltage / SPD type 1 / Combination type - T1 (25 kA)

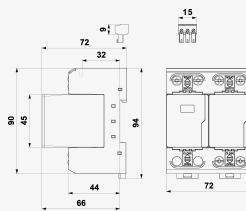
Combined lightning current arrester

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

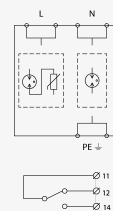
- combination of one-pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 1+1 mode
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office and industrial buildings
- coordination with SPD type 2 (SLP-275 V) even without surge separating inductors, no leakage current, remote fault signalling



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	T1
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 230 V AC
Maximum operating voltage L-N	$U_c$ 260.00 V AC
Maximum operating voltage N-PE	$U_c$ 255.00 V AC
Nominal load current for "V" connection	$I_L$ 125 A
Type of network	TT
Maximum overcurrent protection	250 A gL/gG
Maximum overcurrent protection for "V" connection	125 A gL/gG
Short-circuit current rating	$I_{SCCR}$ 50.0 kA
Total discharge current (10/350 $\mu$ s)	$I_{Total(10/350)}$ 50.00 kA
Lightning impulse current (10/350 $\mu$ s) L-N	$I_{imp}$ 25.00 kA

Lightning impulse current (10/350 $\mu$ s) N-PE	$I_{imp}$	50.00 kA
Voltage protection level mode L-N	$U_p$	1.50 kV
Voltage protection level mode L-PE	$U_p$	2.20 kV
Voltage protection level mode N-PE	$U_p$	1.50 kV
Ability to independently switch off the following current N-PE	$I_{fi}$	0.1 kA
Response time L-N	$t_a$	100 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)		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>
Cross-section of remote indication conductors solid (max)		1.5 mm <sup>2</sup>
Cross-section of remote indication conductors stranded (max)		1.5 mm <sup>2</sup>
Fault indication L-N		red indication field
Fault indication N-PE		no
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		EC000381
Plug module		FLP-25-T1-V/0 FLP-A50N V/0
Customs tariff number		85363090
EAN		8595090562580
Order number		A06258

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