

FLP-25-T1-VSF/3+1

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

Lightning current arrester with integrated backup fuse for 3-phase TT system

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

- combination of three-pole high performance 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, mainly to main distribution boards
- 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 – office and industrial buildings
- coordination with SPD Type 2 (SLP-275 V) even without surge separating inductors
- zero leakage current
- with integrated backup fuse



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 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 TN-S
Maximum overcurrent protection	-
Short-circuit current rating	I_{SCCR} 50.0 kA
Residual current	I_{PE} 0.004 mA
Lightning impulse current (10/350 μ s) L-N	I_{imp} 25.00 kA
Lightning impulse current (10/350 μ s) N-PE	I_{imp} 100.00 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 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
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 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-A100N V/0
Customs tariff number		85363090
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