FLP-25-T1-V/3+1

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

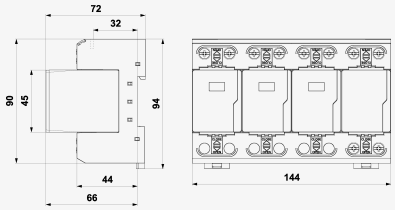
Lightning current arrester for 3-phase TT system

pluggable module, visual fault signalling, module locking

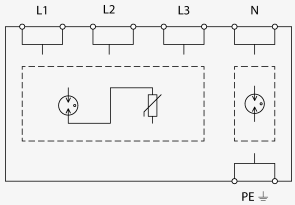
- combination of three-pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode, leakage current-free
- coordination with SPD type 2 (SLP-275 V) even without surge separating inductors
- installation at the boundary of zones LPZ 0 and LPZ 1 or 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



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
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 µs)	$I_{Total(10/350)}$	100.00 kA
Lightning impulse current (10/350 µs) L-N	I_{imp}	25.00 kA
Lightning impulse current (10/350 µs) 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
Fault indication L-N		red indication field
Fault indication N-PE		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-25-T1-V/0|FLP-A100N V/0
Customs tariff number		85363090
EAN		8595090553045
Order number		A05304