

FLP-25-T1-VS/3+1

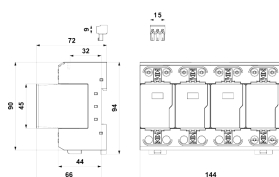
Ordering number 8595090553052

SPD type 1 - Lightning Current Arrester

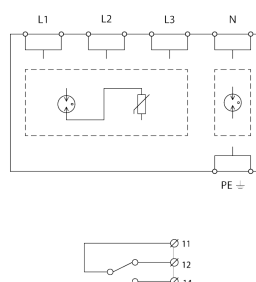
Combination of three -pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode. Installation at the boundary of zones LPZ 0 and LPZ 1 or higher. Protection against impact of direct or indirect lightning strike. Wide range of applications - houses, office and industrial buildings, resp. to sub-distribution boards in large buildings. Remote status signaling (S).



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		T1
Nominal voltage	U_n	230 V AC
Maximum operating voltage L-N	U_c	260 V AC
Maximum operating voltage N-PE	U_c	255 V AC
Nominal load current for "V" connection	I_L	125 A
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 N-PE	U_p	1,50 kV
Voltage protection level mode L-PE	U_p	2,20 kV
Ability to independently switch off the following current N-PE	I_{fi}	0,1 kA
Short-circuit current rating	I_{SCCR}	50,0 kA
Maximum overcurrent protection		250 A gL/gG
Maximum overcurrent protection for "V" connection		125 A gL/gG
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
Remote indication		potential-free change-over contact
Remote indication contacts		250V/0,5A AC, 250V/0,1A DC
Cross-section of remote indication conductors		1,5 mm ²
Degree of protection		IP 20
Range of operating temperatures - min		-40 °C
Range of operating temperatures - max		80 °C
Mounting		DIN rail 35 mm
According to standard		EN 61643-11:2012, IEC 61643-11:2011

Plug module	FLP-25-T1-V/0
ETIM Class	EC000381