FLP-B+C MAXI VS/3+1

SPD - for low voltage / SPD type 1 / Combination type - T1+T2 (25 kA)

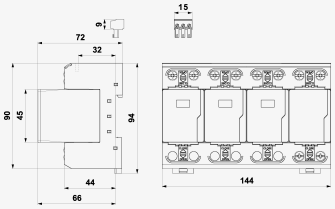
Combination of lightning current and surge arrester for three-phase system TT

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

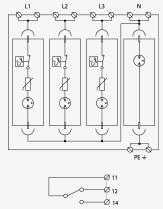
- combination of three-pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office or industrial buildings, resp. to sub-distribution boards in large buildings



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T1,T2
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
Nominal discharge current (8/20 µs) L-N	I_n	30.00 kA
Nominal discharge current (8/20 µs) N-PE	I_n	100.00 kA

Maximum discharge current (8/20 µs) L-N	I_{max}	60.00 kA
Maximum discharge current (8/20 µs) N-PE	I_{max}	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
Residual voltage of MOV at In	U_{RES}	0.85 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 120 min L-N		440 V
TOV characteristic (120 min)		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		EC001457
Plug module		FLP-B+C MAXI V/0|FLP-A100N V/0

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