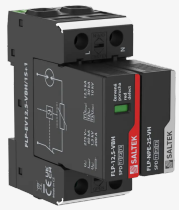
FLP-EV12,5-VBH/1S+1

SPD - for low voltage / SPD type 1 / Combination type - T1+T2 (12,5 kA)

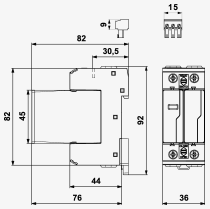
Combination of lightning current and surge arrester for one-phase aplications (eg. charching station for electrical vehicles)

pluggable module, visual fault signalling, remote fault signalling

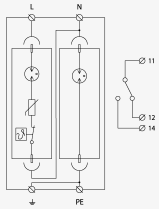
- combination of three-pole lightning current arrester and encapsulated efficiency spark gap, connected in the 1+1 mode
- zero leakage current
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher
- for protection against impact of direct or indirect lightning strikes – eg. charching stations for electrical vehicles



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T1,T2,T3
Mounting		DIN rail 35 mm
Nominal voltage	U_n	230.00 V AC
Maximum operating voltage L-N	U_c	275.00 V AC
Maximum operating voltage N-PE	U_c	255.00 V AC
Type of network		TT
Maximum overcurrent protection		200 A gL/gG
Short-circuit current rating	I_{SCCR}	50.0 kA
Lightning impulse current (10/350 µs) L-N	I_{imp}	12.50 kA
Lightning impulse current (10/350 µs) N-PE	I_{imp}	25.00 kA
Nominal discharge current (8/20 µs) L-N	I_n	30.00 kA
Nominal discharge current (8/20 µs) N-PE	I_n	30.00 kA
Maximum discharge current (8/20 µs) L-N	I_{max}	60.00 kA
Maximum discharge current (8/20 µs) N-PE	I_{max}	60.00 kA
Test voltage	U_{oc}	10.0 kV

Voltage protection level mode L-N	U_p	1.50 kV
Voltage protection level mode N-PE	U_p	1.50 kV
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)		1.00 mm^2
Cross-section of connected conductors solid (max)		35.00 mm^2
Cross-section of connected conductors stranded (min)		1.00 mm^2
Cross-section of connected conductors stranded (max)		25.00 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-12,5-VBH/0|FLP-NPE-25-VH/0
Customs tariff number		85363030
EAN		8595090570431
Order number		A07043