

SLP-275 V/3S+1

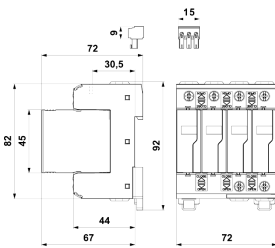
Ordering number 8595090520023

SPD type 2 - Surge Arrester

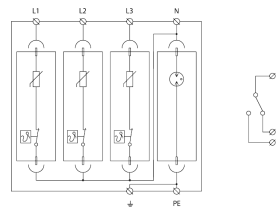
Combination of varistor surge arrester and encapsulated spark gap, connected in the 3+1 mode. Installation at the boundary of zones LPZ 1 and LPZ 2. Especially to sub-distribution boards in TT and also TN-C LV systems. Protection of the LV installations and equipments against induced surges and switching surge. Remote status signaling (S).



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		T2
Nominal voltage	U_n	230 V AC
Maximum operating voltage L-N	U_c	275 V AC
Maximum operating voltage N-PE	U_c	255 V AC
Nominal discharge current (8/20 μs) L-N	I_n	20,00 kA
Nominal discharge current (8/20 μs) N-PE	I_n	20,00 kA
Maximum discharge current (8/20 μs) L-N	I_{max}	40,00 kA
Maximum discharge current (8/20 μs) N-PE	I_{max}	40,00 kA
Voltage protection level at 5 kA L-N	U_p	0,90 kV
Voltage protection level mode L-N	U_p	1,35 kV
Voltage protection level mode N-PE	U_p	1,50 kV
Voltage protection level mode L-PE	U_p	1,50 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		160 A gL/gG
Response time L-N	t_a	25 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)		failure
TOV 200 ms L-PE		1 455 V
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
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	SLP-275 V/0
ETIM Class	EC000941