SLP-275 V/3+1

SPD - for low voltage / SPD type 2 / MOV

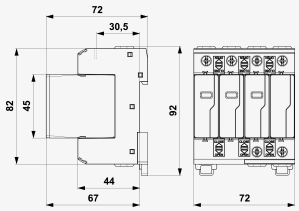
Surge arrester for three-phase system TT and TN-S

pluggable module, visual fault signalling, module locking

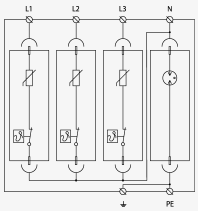
- combination of varistor surge arrester and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, especially to sub-distribution boards in TT and also TN-S systems
- for protection of the installations and equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T2
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		160 A gL/gG
Short-circuit current rating	I_{SCCR}	50.0 kA
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 mode L-N	U_p	1.35 kV
Voltage protection level mode L-PE	U_p	1.50 kV
Voltage protection level mode N-PE	U_p	1.50 kV
Voltage protection level at 5 kA L-N	U_p	0.90 kV

Ability to independently switch off the following current N-PE	I_{fi}	0.1 kA
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)		safe 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
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		EC000941
Plug module		SLP-275 V/0|SLP-NPE V/0
Customs tariff number		85363030
EAN		8595090519461
Order number		A01946