

SLP-275 V/3S+1

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

- 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



Dimension drawing

Basic circuit diagram

Parameter / Type	SLP-275 V/3S+1	
Type of SPD		T2
Mounting		DIN rail 35 mm
Nominal voltage	U_n	230 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 μ s) L-N	I_n	20,00 kA
Nominal discharge current (8/20 μ s) N-PE	I_n	20,00 kA
Maximum discharge current (8/20 μ s) L-N	I_{max}	40,00 kA
Maximum discharge current (8/20 μ s) 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
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	EC000941
Plug module	SLP-275 V/0
Customs tariff number	85363030
EAN	8595090520023
Ordering number	A02002