

# FLP-12,5 V/1 S

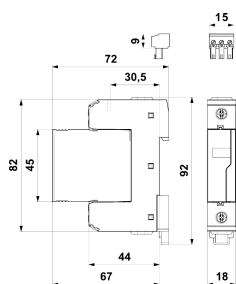
Ordering number 8595090534228

## SPD type 1 and type 2- Lightning Current Arrester and Surge Arrester

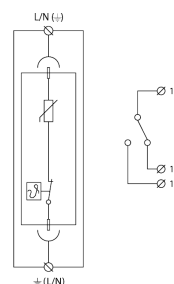
Varistor lightning current arrester, installation at the boundary of zones LPZ 0 and LPZ 1 or higher. Protection against impact of partial lightning currents, induced surge during a lightning strike or switching surges. For objects in LPL III and IV. Remote status signaling (S).



### Dimension drawing



### Basic circuit diagram



### Technical specifications

Type of SPD		T1,T2
Nominal voltage	$U_n$	230 V AC
Maximum operating voltage	$U_c$	275 V AC
Maximum operating voltage	$U_c$	350 V DC
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	12,50 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	30,00 kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	60,00 kA
Voltage protection level at 5 kA	$U_p$	0,90 kV
Voltage protection level	$U_p$	1,20 kV
Short-circuit current rating	$I_{SCCR}$	50,0 kA
Maximum overcurrent protection		160 A gL/gG
Response time	$t_a$	25 ns
TOV 5 s L-N		335 V
TOV characteristic (TOV 5 s)		withstand
Cross-section of connected conductors solid (min)		1,00 mm <sup>2</sup>
Cross-section of connected conductors solid (max)		35,00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)		1,00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)		25,00 mm <sup>2</sup>
Fault indication		red indication field
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 <sup>2</sup>
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		FLP-12,5 V/0
ETIM Class		EC001457