

# FLP-12,5 V/1 S

## SPD - for low voltage / SPD type 1 / MOV

Lightning current and surge arrester for systems TN and TT

pluggable module, visual fault signalling, remote fault signalling

- varistor lightning current arrester
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, for objects in LPL III and IV
- for protection against impact of partial lightning currents, induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	T1,T2
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 230.00 V AC
Maximum operating voltage	$U_c$ 275.00 V AC
Maximum operating voltage	$U_c$ 350.00 V DC
Type of network	TN
Maximum overcurrent protection	160 A gL/gG
Short-circuit current rating	$I_{SCCR}$ 50.0 kA
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	$U_p$ 1.50 kV
Voltage protection level at 5 kA	$U_p$ 0.90 kV
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)	<b>35.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (min)	<b>1.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max)	<b>25.00 mm<sup>2</sup></b>
Cross-section of remote indication conductors solid (max)	<b>1.5 mm<sup>2</sup></b>
Cross-section of remote indication conductors stranded (max)	<b>1.5 mm<sup>2</sup></b>
Fault indication	<b>red indication field</b>
Remote indication	<b>potential-free change-over contact</b>
Remote indication contacts	<b>250V/0,5A AC,250V/0,1A DC</b>
Degree of protection	<b>IP 20</b>
Range of ambient temperatures (min/max)	<b>-40 / 80 °C</b>
Humidity	<b>5 - 95 %</b>
According to standard	<b>EN 61643-11:2012, IEC 61643-11:2011</b>
ETIM Class	<b>EC001457</b>
Plug module	<b>FLP-12,5 V/0</b>
Customs tariff number	<b>85363090</b>
EAN	<b>8595090534228</b>
Order number	<b>A03422</b>