

# FLP-PV1000/YS

## SPD - for DC and PV / SPD PV type 1 / MOV

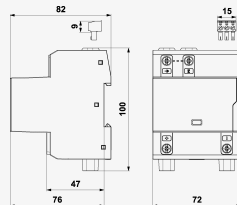
Lightning current arrester and surge arrester for PV systems

visual fault signalling, remote fault signalling

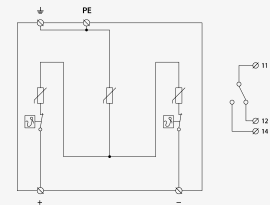
- varistor lightning current arrester and surge arrester in 'Y' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application:  $UCPV \geq 1.2 \times UOC\ STC$



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	PV T1, PV T2
Mounting	DIN rail 35 mm
Maximum operating voltage mode +/-PE, -/PE	$U_{CPV}$ 1 050.00 V DC
Short-circuit current rating	$I_{SCPV}$ 10 000 A DC
Residual current mode +/-PE, -/PE	$I_{PE}$ 1.000 mA AC
Residual current mode +/-PE, -/PE	$I_{PE}$ 0.010 mA DC
Total discharge current (10/350 $\mu$ s)	$I_{Total(10/350)}$ 12.50 kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$ 6.25 kA
Total discharge current (8/20 $\mu$ s)	$I_{Total(8/20)}$ 80.00 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$ 20.00 kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$ 40.00 kA
Voltage protection level mode +/-	$U_p$ 3.80 kV
Voltage protection level mode +/-PE, -/PE	$U_p$ 3.80 kV
Response time	$t_a$ 25 ns
Cross-section of connected conductors solid (min)	4.00 mm <sup>2</sup>
Cross-section of connected conductors solid (max)	35.00 mm <sup>2</sup>

Cross-section of connected conductors stranded (min)	2.50 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)	25.00 mm <sup>2</sup>
Cross-section of remote indication conductors solid (max)	1.5 mm <sup>2</sup>
Cross-section of remote indication conductors stranded (max)	1.5 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
Degree of protection	IP 20
Range of ambient temperatures (min/max)	-40 / 80 °C
According to standard	EN 61643-31, IEC 61643-31
ETIM Class	EC001457
Customs tariff number	85363090
EAN	8595090541981
Order number	A04198