FLP-PV550 V/U S

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

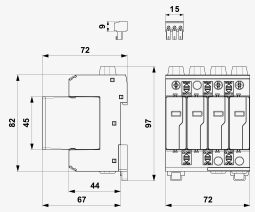
Lightning current arrester and surge arrester for PV systems

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

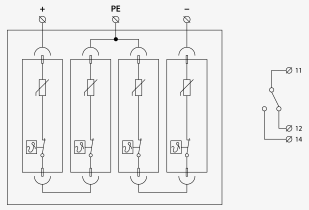
- varistor lightning current arrester and surge arrester in 'U' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application: UCPV ≥ 1.2x UOC STC



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}	560.00 V DC
Short-circuit current rating	I_{SCPV}	10 000 A DC
Residual current mode +/PE, -/PE	I_{PE}	0.500 mA AC
Residual current mode +/PE, -/PE	I_{PE}	0.010 mA DC
Total discharge current (10/350 µs)	$I_{Total(10/350)}$	25.00 kA
Lightning impulse current (10/350 µs)	I_{imp}	12.50 kA
Total discharge current (8/20 µs)	$I_{Total(8/20)}$	120.00 kA
Nominal discharge current (8/20 µs)	I_n	30.00 kA
Maximum discharge current (8/20 µs)	I_{max}	60.00 kA
Voltage protection level mode +/-	U_p	4.80 kV
Voltage protection level mode +/PE, -/PE	U_p	2.40 kV
Response time	t_a	25 ns
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	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
Plug module	FLP-PV275U V/0
Customs tariff number	85363090
EAN	8595090561460
Order number	A06146