FLP-PV550 V/U

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

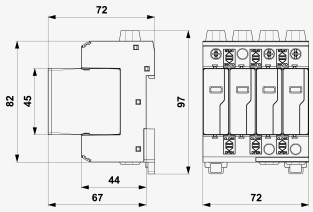
Lightning current arrester and surge arrester for PV systems

pluggable module, visual fault signalling, module locking

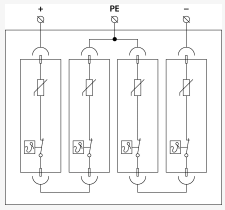
- varistor lightning current arrester and surge arrester in 'U' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application: UCPV ≥ 1.2x UOC STC



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**
Fault indication	**red indication field**
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	**8595090561453**
Order number	**A06145**