

FLP-PV550 V/U

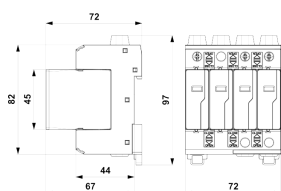
SPD PV type 1 and type 2 - Lightning Current Arrester and Surge Arrester for PV systems

pluggable module, visual fault signalling, module locking

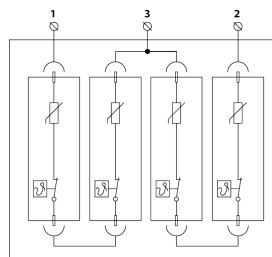
varistor lightning current arrester and surge arrester in 'U' connection, for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS), maximum continuous operating voltage for PV application: $UCPV \geq 1.2x UOC STC$



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		PV T1, PV T2
Maximum operating voltage mode 1/2 I-connection	U_{CPV}	1 120,00 V DC
Maximum operating voltage mode 1/3, 2/3	U_{CPV}	560,00 V DC
Lightning impulse current (10/350 μ s)	I_{imp}	12,50 kA
Total discharge current (10/350 μ s)	$I_{Total(10/350)}$	25,00 kA
Nominal discharge current (8/20 μ s)	I_n	30,00 kA
Maximum discharge current (8/20 μ s)	I_{max}	60,00 kA
Voltage protection level mode 1/2	U_p	4,80 kV
Voltage protection level mode 1/3, 2/3	U_p	2,40 kV
Short-circuit current rating	I_{SCPV}	1 000 A DC
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		-40 °C
Range of ambient temperatures - max		80 °C
Mounting		DIN rail 35 mm
According to standard		EN 50539-11:2013
Plug module		FLP-PV275U V/U
ETIM Class		EC001457
Customs tariff number		85363090
EAN		8595090561453