

FLP-PV1000 VS/Y

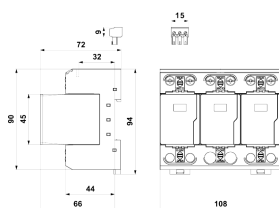
Ordering number 8595090540588

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

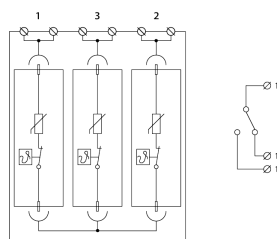
For installation in the DC circuits of solar photovoltaic systems. Remote status signaling (S). Maximum continuous operating voltage for PV application: $U_{cpv} \geq 1,2x U_{OC\ STC}$.



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		PV T1, PV T2
Maximum operating voltage mode 1/3, 2/3	U_{CPV}	1 000 V DC
Lightning impulse current (10/350 μ s)	I_{imp}	12,50 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	3,60 kV
Voltage protection level mode 1/3, 2/3	U_p	3,60 kV
Short-circuit current rating	I_{SCPV}	1 000 A DC
Response time	t_a	25 ns
Cross-section of connected conductors solid (min)		2,50 mm ²
Cross-section of connected conductors solid (max)		50,00 mm ²
Cross-section of connected conductors stranded (min)		2,50 mm ²
Cross-section of connected conductors stranded (max)		35,00 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
Cross-section of remote indication conductors		1,5 mm ²
Degree of protection		IP 20
Range of operating temperatures - min		-40 °C
Range of operating temperatures - max		80 °C
According to standard		EN 50539-11:2013
Plug module		FLP-PV500Y V/O
ETIM Class		EC001457