

SLP-PV500 V/U S

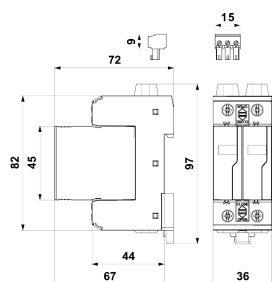
Ordering number 8595090536659

SPD PV type 2 - Surge Arrester for PV systems

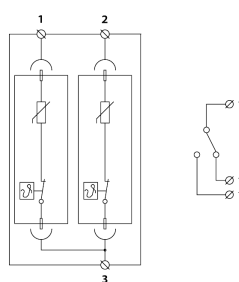
For installation in the DC circuits of solar photovoltaic systems. Remote status signaling (S). Maximum continuous operating voltage for PV application: $U_{cpv} \geq 1,2x U_{OC\ STC}$.



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		PV T2
Maximum operating voltage mode 1/2	U_{CPV}	750 V DC
Maximum operating voltage mode 1/3, 2/3	U_{CPV}	510 V DC
Nominal discharge current (8/20 μs)	I_n	15,00 kA
Maximum discharge current (8/20 μs)	I_{max}	30,00 kA
Voltage protection level mode 1/2	U_p	4,00 kV
Voltage protection level mode 1/3, 2/3	U_p	2,00 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
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
Mounting		DIN rail 35 mm
According to standard		EN 50539-11:2013
Plug module		SLP-PV500U V/U
ETIM Class		EC000941