

# FLP-PV1000 VS/Y

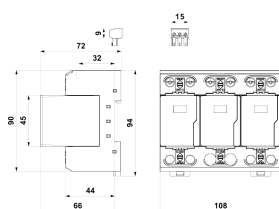
## SPD PV type 1 and type 2 - Lightning Current Arrester and Surge Arrester for PV systems

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

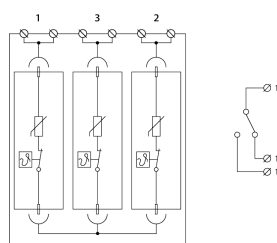
varistor lightning current arrester and surge arrester in 'Y' connection, for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS), maximum continuous operating voltage for PV application:  $UCPV \geq 1.2 \times UOC\ STC$



### Dimension drawing



### Basic circuit diagram



### Technical specifications

Type of SPD		PV T1, PV T2
Maximum operating voltage mode 1/3, 2/3	$U_{CPV}$	1 000,00 V DC
Total discharge current (10/350 $\mu$ s)	$I_{Total(10/350)}$	12,50 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	30,00 kA
Maximum discharge current (8/20 $\mu$ 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 <sup>2</sup>
Cross-section of connected conductors solid (max)		50,00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)		2,50 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)		35,00 mm <sup>2</sup>
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 <sup>2</sup>
Degree of protection		IP 20
Range of ambient temperatures - min		-40 °C
Range of ambient temperatures - max		80 °C
According to standard		EN 50539-11:2013
Plug module		FLP-PV500Y V/O
ETIM Class		EC001457
Customs tariff number		85363090
EAN		8595090540588