

Type 2 surge arrester - 'U' connection

Surge arresters for use in photovoltaic systems with 'U' connection.

Protects both poles.

Features

- Pluggable module
- Visual fault signalling
- Module locking
- Remote fault signalling

Application

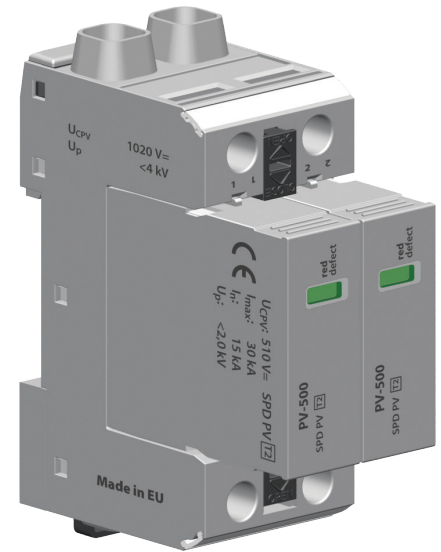
Use on photovoltaic systems up to 170 volts and 510 volts.

Benefits

Ideal for use with photovoltaic systems where the separating spark-over distance is without a Lightning Protection system.

Standards

BS:EN 62305 (lightning protection) and EN 61643-11 (surge protection devices).



Electrical specification

Order number		KM-SLP-PV170 V/U S	KM-SLP-PV500 V/U S
Type of SPD		PVT2	
Maximum operating voltage mode 1/2 l-connection	U_{CPV}	340V DC	1020V DC
Maximum operating voltage mode 1/3, 2/3	U_{CPV}	170V DC	510V DC
Nominal discharge current (8/20 μ s)	I_n	15kA	15kA
Maximum discharge current (8/20 μ s)	I_{max}	40kA	40kA
Voltage protection level mode 1/2	U_p	1.2kV	4kV
Voltage protection level mode 1/3, 2/3	U_p	0.6kV	2kV
Short-circuit current rating	I_{SCPV}	1000A DC	1000A DC
Response time	t_a	25ns	25ns
Cross-section of connected conductors solid (min - max)		1mm ² - 35mm ²	
Cross-section of connected conductors stranded (min - max)		1mm ² - 25mm ²	
Fault indication		Red indication field	
Remote indication		Potential-free changeover contact	
Remote indication contacts		250V/0.5A AC, 250V/0.1A DC	
Cross-section of remote indication conductors		1.5mm ²	
Degree of protection		IP20	
Range of operating temperatures (min - max)		-40°C - +80°C	
Mounting		DIN rail 35mm	
According to standard		EN 50539-11:2013	
ETIM Class		EC000941	
Weight		230g (nett), 260g (gross)	250g (nett), 280g (gross)

Accessories

Spare modules are available.
Replace when fault indication indicator turns from green to red.

DESCRIPTION	ORDER NUMBER
Spare Module (170V DC)	KM-SLP-PV170U V/O
Spare Module (510V DC)	KM-SLP-PV500U V/O

DIMENSIONS & WIRING DIAGRAMS:
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