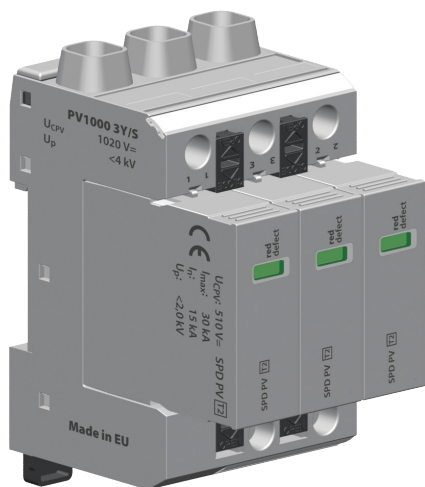


Type 2 surge arrester - 'Y' connection



Surge arresters for use in photovoltaic systems with 'Y' connection. Protects both poles.

Benefits

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

Features

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

Standards

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

Application

Use on systems up to 750 volts, 1020 volts and 1500 volts.

Electrical specification

| Order number | | KM-SLP-PV700 V/Y S | KM-SLP-PV1000 V/Y S | KM-SLP-PV1500 V/Y S |
|--|------------|-----------------------------------|--------------------------------------|---------------------------|
| Type of SPD | | PV T2 | PV T2 | PV T2 |
| Maximum operating voltage mode 1/3, 2/3 | U_{CPV} | 750V DC | 1020V DC | 1500V DC |
| Nominal discharge current (8/20 μ s) | I_n | 20kA | 15kA | 15kA |
| Maximum discharge current (8/20 μ s) | I_{max} | 40kA | 40kA | 40kA |
| Voltage protection level mode 1/2 | U_p | 3.6kV | 4kV | 6.4kV |
| Voltage protection level mode 1/3, 2/3 | U_p | 3.6kV | 4kV | 6.4kV |
| Short-circuit current rating | I_{SCPV} | 1000A DC | 1000A DC | 1000A DC |
| Response time | t_a | 25ns | 25ns | 25ns |
| Residual current mode 1/3, 2/3 (AC) | I_{PE} | n/a | n/a | 0.2000mA AC |
| Residual current mode 1/3, 2/3 (DC) | I_{PE} | n/a | n/a | 0.0005mA DC |
| 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 | | 315g (nett), 360g (gross) | 325g (nett), 365g (gross) | 420g (nett), 450g (gross) |

DIMENSIONS & WIRING DIAGRAMS:
SEE PAGE SPD:90

Accessories

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

| DESCRIPTION | ORDER NUMBER |
|-------------------------|-------------------|
| Spare Module (750V DC) | KM-SLP-PV350Y V/0 |
| Spare Module (1020V DC) | KM-SLP-PV500Y V/0 |
| Spare Module (1500V DC) | KM-SLP-PV750Y V/0 |