

PV DC SURGE PROTECTION DEVICES (T1+T2 SPD)

K45401PV Series

Kozuka provides an extensive selection of surge protection devices tailored for photovoltaic systems.

Key features of the PV SPDs include:

- Integrated thermal protection with direct current breaking capacity, safeguarding against end-of-life short circuits up to 100A DC.
- Pluggable cartridges for streamlined maintenance, eliminating the need to disconnect the line.
- Auxiliary contact for remote monitoring of line status.
- "Y" configuration for enhanced protection.
- With remote signal terminal.



Specifications



| Model | K45401PV-3P-FM |
|--|----------------|
| Reference standards | IEC 61643-31 |
| Configuration | Y |
| SPDs type / test class | T1+T2 |
| Maximum discharge current I_{max} (8/20 μ s) | 40kA |
| Nominal discharge current I_n (8/20 μ s) | 20kA |
| Impulse current I_{imp} (10/350 μ s) | 4.5kA |
| Max. cont. operating voltage U_{cpv} | 1000VDC |
| Voltage protection level U_p | 4kV |
| Response time | ≤ 25 ns |
| Specific integrated PV thermal disconnecter | Yes |
| Pluggable | Yes |
| Auxiliary contact | TS |

Diagram:

