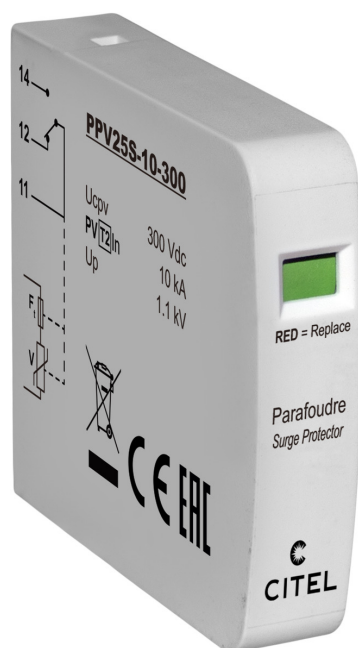




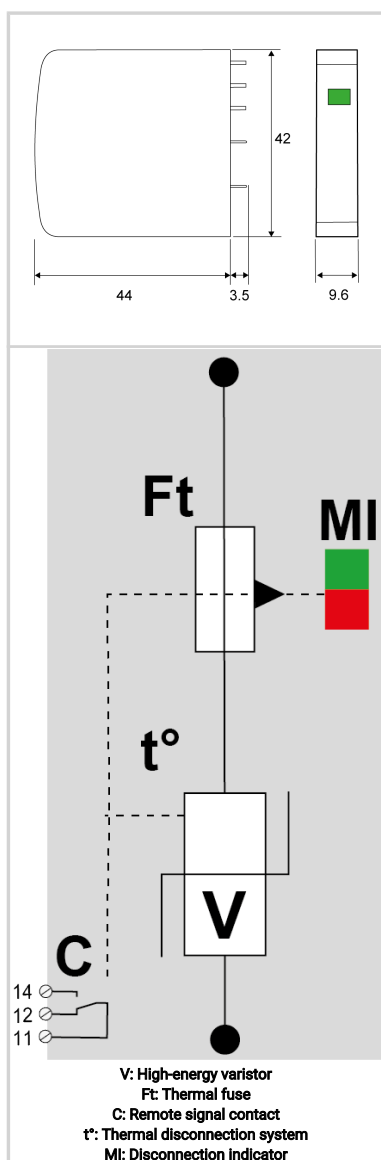
# CITEL



## Type 2 PV Surge Protector for PCB mounting

### PPV25S-10-300

- Type 2 surge protector for Photovoltaic
- PCB mounting
- I<sub>max</sub>: 25 kA
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance\*



#### Electrical Characteristics

|                                                                                 |                  |                          |
|---------------------------------------------------------------------------------|------------------|--------------------------|
| SPD type                                                                        | IEC              | 2                        |
| Nominal PV voltage                                                              | Uocsc            | 600 Vdc                  |
| Max. PV operating voltage                                                       | Ucpv             | 300 Vdc                  |
| Max. PV operating voltage (star mounting)                                       | Ucpv             | 600 Vdc                  |
| Residual Current<br>Leakage current to Ground                                   | Ipe              | None                     |
| PV Permanent Operating current<br>Current consumption at Ucpv                   | Icpv             | < 0.1 mA                 |
| Follow current                                                                  | If               | None                     |
| Nominal discharge current<br>15 x 8/20 $\mu$ s impulses                         | In               | 10 kA                    |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole                 | I <sub>max</sub> | 25 kA                    |
| Current withstand short circuit PV                                              | Iscpv            | 15 000 A                 |
| Connection mode(s)                                                              |                  | +/-/PE                   |
| Protection mode(s)                                                              |                  | Common/Differential mode |
| Protection level<br>@ In (8/20 $\mu$ s)                                         | Up               | 1.1 kV                   |
| Protection level (star mounting)<br>(+/-) / (+/-PE or -/PE) @ In (8/20 $\mu$ s) | Up               | 2.2 kV                   |
| Protection level +/-<br>@ In (8/20 $\mu$ s)                                     | Up               | 5.1 kV                   |
| Protection level +/-PE (-/PE)<br>@ In (8/20 $\mu$ s)                            | Up               | 2.5 kV                   |

#### Mechanical Characteristics

|                                   |    |                                  |
|-----------------------------------|----|----------------------------------|
| Technology                        |    | MOV                              |
| Connection to Network             |    | Through soldering pins           |
| Format                            |    | Plug-in modular box              |
| Mounting                          |    | On Printed Circuit Board         |
| Housing material                  |    | Thermoplastic UL94 V-0           |
| Operating temperature             | Tu | -40/+85°C                        |
| Protection rating                 |    | IP20                             |
| Failsafe mode                     |    | Disconnection SPD of the PV line |
| Disconnection indicator           |    | 1 mechanical indicator           |
| Spare module(s)                   |    | DSM50PV-600                      |
| Remote signaling of disconnection |    | Output on changeover contact     |
| Dimensions                        |    | See diagram                      |
| Weight                            |    | 0.025 kg                         |
| Weight                            |    | 0.051 kg                         |

#### Disconnectors

|                           |  |          |
|---------------------------|--|----------|
| Thermal disconnector      |  | Internal |
| Back-up protection device |  | Without  |

#### Standards

|                      |  |                                                                                                                                 |
|----------------------|--|---------------------------------------------------------------------------------------------------------------------------------|
| Standards compliance |  | IEC 61643-31 / EN 50539-11 *The standard cover devices. PPV /PAC series are components. Compliant when combined is an assembly. |
|----------------------|--|---------------------------------------------------------------------------------------------------------------------------------|

#### Part number

8721210

