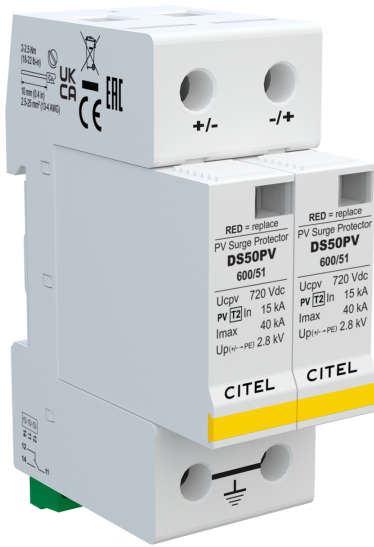




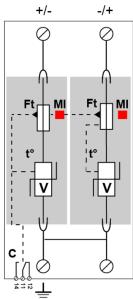
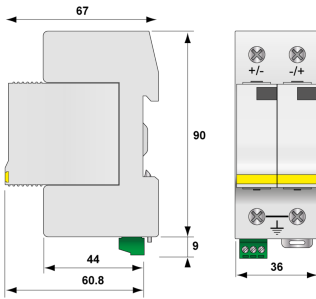
# CITEL

## Type 2 PV surge protector

### DS50PVS-600/51



- › Type 2 surge protector for PV
- › In : 15kA / Imax : 40kA
- › Pluggable
- › Remote signaling
- › UL1149 ed.5 certified
- › IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



**V:** High-energy varistor  
**Ft:** Thermal fuse  
**C:** Remote signal contact  
**t:** Thermal disconnection system  
**MI:** Disconnection indicator

#### Electrical Characteristics

|  |            |             |
|--|------------|-------------|
| SPD type   | IEC        | 2           |
| Network  |            | PV 500 Vdc  |
| Nominal PV voltage   | Uocstc     | 600 Vdc     |
| Max. PV operating voltage  | Ucpv       | 720 Vdc     |
| Residual Current<br><i>Leakage current to Ground</i>                     | Ipe        | < 0.2 mA    |
| PV Permanent Operating current<br><i>Current consumption at Ucpv</i>     | Icpv       | < 0.1 mA    |
| Follow current   | If         | None        |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>                | In         | 15 kA       |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>        | Imax       | 40 kA       |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i> | Imax Total | 60 kA       |
| Current withstand short circuit PV                                       | Iscpv      | 15 000 A    |
| Connection mode(s)   |            | +/-/PE      |
| Protection mode(s)   |            | Common mode |
| Protection level +/-PE (-/PE)<br><i>@ In (8/20μs)</i>                    | Up         | 2.8 kV      |

#### Mechanical Characteristics

|                                   |    |  |
|-----------------------------------|----|--|
| Technology                        |    | MOV  |
| Connection to Network             |    | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| Format                            |    | Plug-in modular box                                |
| Mounting                          |    | Symmetrical rail 35 mm (EN 60715)                  |
| 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           |    | 2 mechanical indicators                            |
| Spare module(s)                   |    | DSM50PV-600/51                                     |
| Remote signaling of disconnection |    | Output on changeover contact                       |
| Dimensions                        |    | See diagram  |

#### Disconnectors

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

#### Standards

|                      |  |  |
|----------------------|--|--|
| Standards compliance |  | IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5 |
|----------------------|--|--|

#### Part number

**480471**

