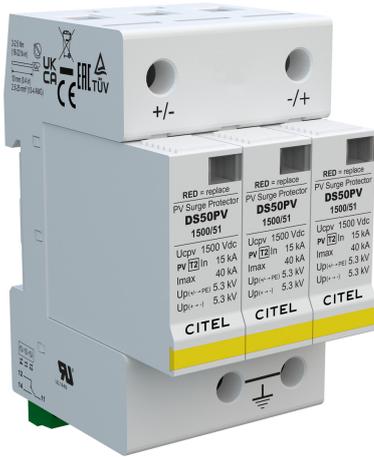




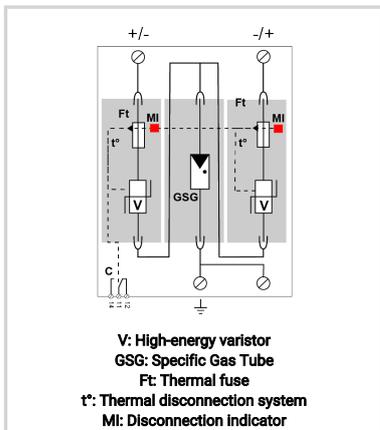
CITEL

Type 2 PV surge protector

DS50PVS- 600G/51



- Type 2 surge protector for PV
- In : 15kA / I_{max} : 40kA
- Pluggable
- Remote signaling
- UL1149 ed.5 certified
- EN 61643-31, NF EN 50539-11 compliant



Electrical Characteristics

| | | |
|---|------------------------|--------------------------|
| Network | | PV 500 Vdc |
| Nominal PV voltage | U _{ocstc} | 500 Vdc |
| Max. PV operating voltage | U _{cpv} | 600 Vdc |
| Residual Current | I _{pe} | None |
| Leakage current to Ground | | |
| PV Permanent Operating current | I _{cpv} | < 0.1 mA |
| Current consumption at U _{cpv} | | |
| Follow current | I _f | None |
| Nominal discharge current | I _n | 15 kA |
| 15 x 8/20 μs impulses | | |
| Max. discharge current | I _{max} | 40 kA |
| max. withstand @ 8/20 μs by pole | | |
| Total Maximum discharge current | I _{max} Total | 60 kA |
| max. total withstand @ 8/20 μs | | |
| Current withstand short circuit PV | I _{scpv} | 15 000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/- | U _p | 2.4 kV |
| @ I _n (8/20μs) | | |
| Protection level +/-PE (-/PE) | U _p | 1.5 kV |
| @ I _n (8/20μs) | | |

Mechanical Characteristics

| | | |
|-----------------------------------|----------------|---|
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminals: 2.5-25mm ² |
| Format | | Plug-in modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection SPD of the PV line |
| Disconnection indicator | | 2 mechanical indicators - Red/Green |
| Spare module(s) | | DSM50PV-500G/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 |
| Certification | | |

Part number

480491

