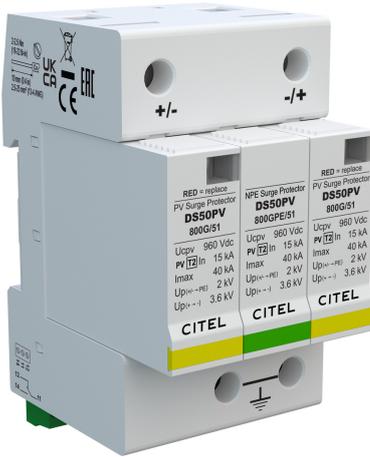




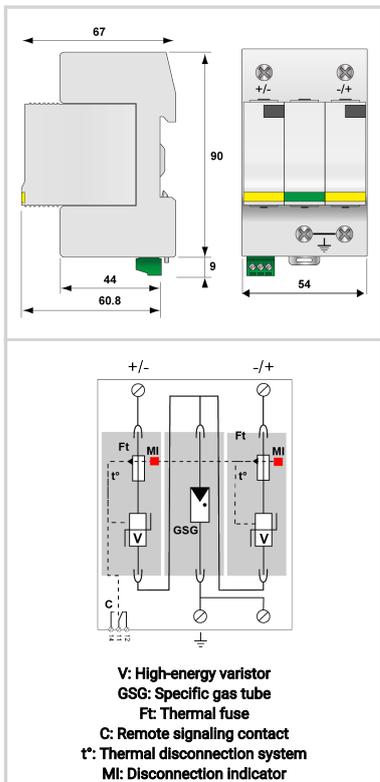
CITEL

Type 2 PV surge protector

DS50PVS- 800G/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



Electrical Characteristics

| | | |
|---|------------|--------------------------|
| SPD type | IEC | 2 |
| Network | | PV network 800 Vdc |
| Nominal PV voltage | Uocstc | 800 Vdc |
| Max. PV operating voltage | Ucpv | 960 Vdc |
| Residual Current Leakage current to Ground | Ipe | None |
| PV Permanent Operating current Current consumption at Ucpv | Icpv | < 0.1 mA |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 15 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | Imax Total | 60 kA |
| Current withstand short circuit PV | Iscpv | 15 000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/- @ In (8/20μs) | Up | 3.6 kV |
| Protection level +/-PE (-/PE) @ In (8/20μs) | Up | 2 kV |

Mechanical Characteristics

| | | |
|-----------------------------------|----|--|
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminals: 2.5-25mm ² / 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-800G/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

480291

