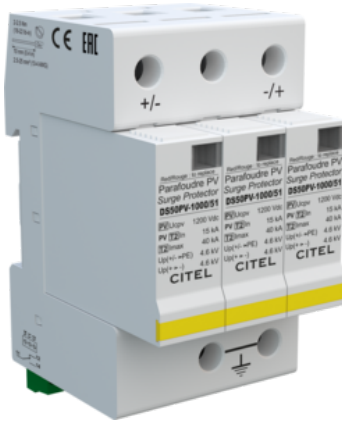




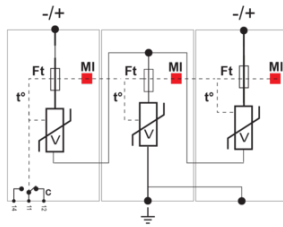
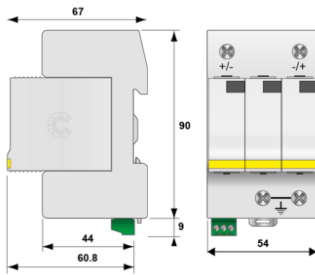
Type 2 PV surge protector

CITEL

DS50PVS-1000/51



- ↳ Type 2 surge protector for PV
- ↳ In : 15kA / I_{max} : 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 | | 2 |
| Network | | PV network 1000 Vdc |
| Nominal PV voltage | Uocstc | 1000 Vdc |
| Max. PV operating voltage | Ucpv | 1200 Vdc |
| Residual Current | I _{pe} | < 0.1 mA |
| Leakage current to Ground | | |
| PV Permanent Operating current | I _{cpv} | < 0.1 mA |
| Current consumption at Ucpv | | |
| 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 +/- @ I _n (8/20μs) | U _p | 4.6 kV |
| Mechanical Characteristics | | |
| Technology | | MOV |
| 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 | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection SPD of the PV line |
| Disconnection indicator | | 3 mechanical indicators |
| Spare module(s) | | DSM50PV-1000/51 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.320 kg |
| 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 | | |
| 480371 | | |

