



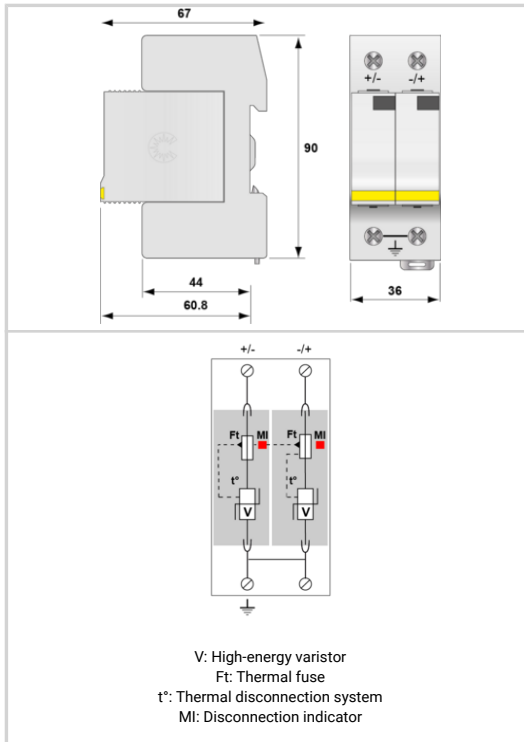
Type 2 PV surge protector

CITEL

DS50PV-500/51



- Type 2 surge protector for Photovoltaic
- PV Voltage: 500 Vdc
- In : 15 kA
- I_{max} : 40 kA
- Pluggable module
- Remote signaling (option)
- IEC 61643-31/EN61643-31 compliance



| Electrical Characteristics | |
|---|--|
| SPD type | 2 |
| Network | PV network 500 Vdc |
| Nominal PV voltage | Uocsc 500 Vdc |
| Max. PV operating voltage | Ucpv 600 Vdc |
| Residual Current Leakage current to Ground | I _{pe} < 0.1 mA |
| PV Permanent Operating current Current consumption at Ucpv | I _{cpv} < 0.1 mA |
| Follow current | I _f None |
| Nominal discharge current 15 x 8/20 μs impulses | I _n 15 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max Total} 60 kA |
| Current withstand short circuit PV | I _{scpv} 15 000 A |
| Connection mode(s) | +/-/PE |
| Protection mode(s) | Common mode |
| Protection level +/-PE (-/PE) @ I _n (8/20μs) | U _p 2.2 kV |
| Mechanical Characteristics | |
| Technology | MOV |
| 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 |
| Spare module(s) | DSM50PV-500/51 |
| Remote signaling of disconnection | Option DS50PVS-500/51 - output on changeover contact |
| Dimensions | See diagram |
| Weight | 0.235 kg |
| Disconnectors | |
| Thermal disconnector | Internal |
| Back-up protection device | Without |
| Standards | |
| Standards compliance | EN 61643-31 / EN 50539-11 |
| Certification | |
| Part number | |
| 480121 | |

