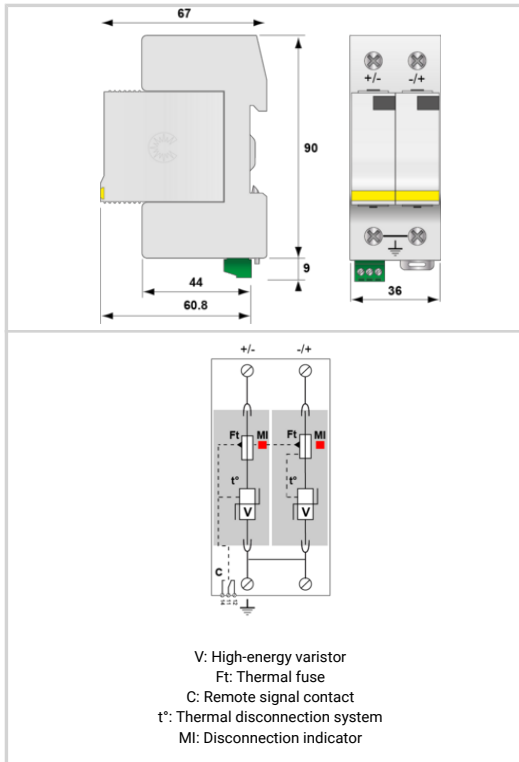


DS50PVS- 600/51



- 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 | | |
|--|------------------------|--|
| SPD type | | 2 |
| Network | | PV network 600 Vdc |
| Nominal PV voltage | U _{ocstc} | 600 Vdc |
| Max. PV operating voltage | U _{cpv} | 720 Vdc |
| Residual Current Leakage current to Ground | I _{pe} | < 0.1 mA |
| PV Permanent Operating current Current consumption at U _{cpv} | 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/Differential mode |
| Protection level +/-PE (-/PE)@ I _n (8/20μs) | U _p | 2.8 kV |
| Mechanical Characteristics | | |
| Technology | | MOV |
| Connection to Network | | By screw terminals: 2.5-25mm ² / by bus |
| Format | | Plug-in modular box |
| Pluggable | | Yes |
| 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-600/51 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Fuses | | Without |
| Standards | | |
| Standards compliance | | EN 50539.11 |
| Certification | | UL Recognized |
| Part number | | 480471 |