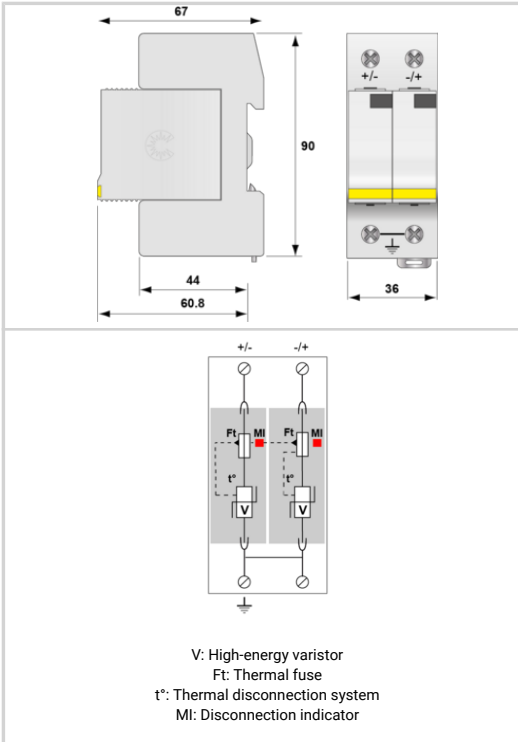


### DS50PV-500/51



- Type 2 surge protector for Photovoltaic
- PV Voltage: 500 Vdc
- In : 15 kA
- Imax : 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   | Uocstc     | 500 Vdc  |
| Max. PV operating voltage                                      | Ucpv       | 600 Vdc  |
| Residual Current Leakage current to Ground                     | Ipe        | < 0.1 mA   |
| 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 mode/Differential mode                        |
| Protection level +/-PE (-/PE)@ In (8/20μs)                     | Up         | 2.2 kV   |
| Mechanical Characteristics                                     |            |  |
| Technology   |            | MOV  |
| Connection to Network  |            | By screw terminals: 2.5-25mm <sup>2</sup>            |
| Format   |            | Plug-in modular box                                  |
| Pluggable  |            | Yes  |
| 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-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   |
| Fuses  |            | Without  |
| Standards  |            |  |
| Standards compliance   |            | EN 61643-31 / EN 50539-11                            |
| Certification  |            | EAC  |
| Part number  |            |  |
| 480121   |            |  |