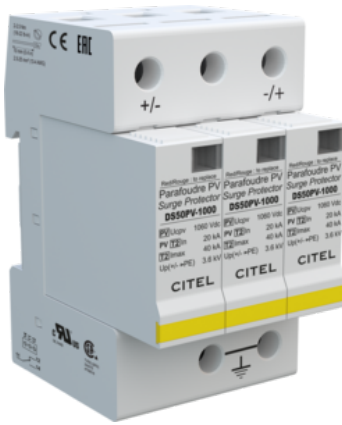




Type 2 PV surge protector

CITEL

DS50PV-1000



- ↳ Type 2 surge protector for PV
- ↳ In : 20kA / I_{max} : 40kA
- ↳ Pluggable
- ↳ Remote signaling (option)
- ↳ Certified UL1449 ed.5
- ↳ Compliance EN 50539-11 / IEC 61643-31 / EN 61643-31



| Electrical Characteristics | | |
|---|--------------------|--|
| SPD type | | 2 |
| Nominal PV voltage | U _{ocstc} | 1000 Vdc |
| Max. PV operating voltage | U _{cpv} | 1060 Vdc |
| Residual Current | | |
| Leakage current to Ground | I _{pe} | None |
| PV Permanent Operating current | | |
| Current consumption at U _{cpv} | I _{cpv} | < 1 mA |
| Follow current | I _f | None |
| Nominal discharge current | | |
| 15 x 8/20 μs impulses | I _n | 20 kA |
| Max. discharge current | | |
| max. withstand @ 8/20 μs by pole | I _{max} | 40 kA |
| Current withstand short circuit PV | I _{scpv} | 1000 A |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage at 5 kA | | |
| @ 5 kA (8/20 μs) | U _{p-5kA} | 3 kV |
| Protection level +/PE (-/PE) | | |
| @ I _n (8/20 μs) | U _p | 3.6 kV |
| Mechanical Characteristics | | |
| Connection to Network | | By screw terminals: 4-25mm ² / by bus |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | T _u | -40/+85°C |
| Protection rating | | IP20 |
| Disconnection indicator | | 1 mechanical indicator by pole - Red/Green |
| Remote signaling of disconnection | | Option DS50PVS-1000 - output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.268 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Standards | | |
| Standards compliance | | IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5 |
| Certification | | UL |
| Part number | | |
| 480302 | | |

