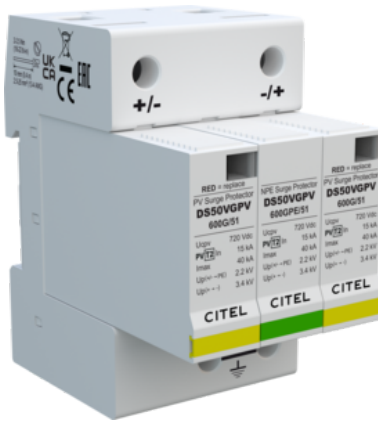




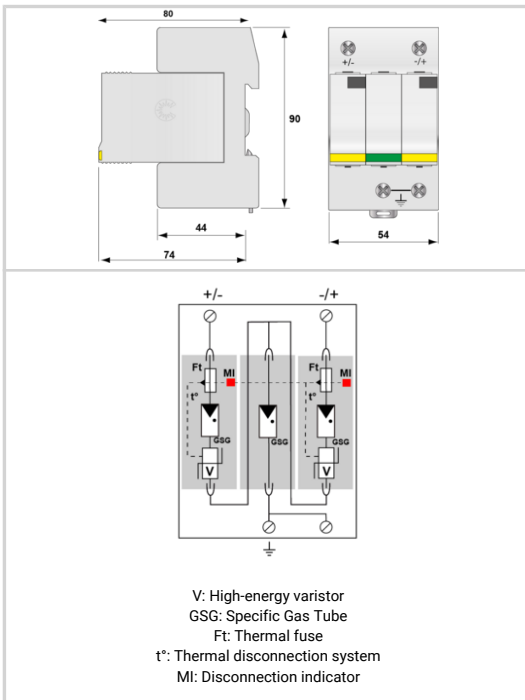
Type 2 PV surge protector

CITEL

DS50VGPV-600G/51



- Type 2 surge protector for photovoltaic
- VG technology
- 600 Vdc
- No leakage, no operating currents
- Improved life expectancy
- In/Imax : 15 / 40 kA
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



| Electrical Characteristics | | |
|---|------------------------|---|
| SPD type | | 2 |
| Network | | PV 600 Vdc |
| Nominal PV voltage | Uocstc | 600 Vdc |
| Max. PV operating voltage | Uc _{pv} | 720 Vdc |
| Residual Current Leakage current to Ground | I _{pe} | None |
| PV Permanent Operating current Current consumption at U _{cpv} | I _{cpv} | None |
| 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/Differential mode |
| Protection level +/- @ I _n (8/20μs) | U _p | 3.4 kV |
| Protection level +/PE (-/PE) @ I _n (8/20μs) | U _p | 2.2 kV |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| 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) | | DSM50VGPV-600G/51 |
| Remote signaling of disconnection | | Option DS50VGPVS-600G/51 - output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.272 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 | | |
| 481401 | | |

