



CITEL



Type 2 PV surge protector

DSM50PV-600/51

- ▶ Type 2 surge protector for Photovoltaic
- ▶ PV voltage: 600 Vdc
- ▶ In: 15 kA
- ▶ Imax: 40 kA
- ▶ Pluggable module
- ▶ Remote signaling (option)
- ▶ UTE C61-740-51, EN 50539-11 compliance



| Electrical Characteristics | | |
|--|---------------|--|
| SPD type | IEC | 2 |
| Network | | PV 500 Vdc |
| Nominal PV voltage | Uocstc | 600 Vdc |
| Max. PV operating voltage | Ucpv | 720 Vdc |
| Residual Current <i>Leakage current to Ground</i> | Ipe | < 0.2 mA |
| PV Permanent Operating current <i>Current consumption at Ucpv</i> | Icpv | < 0.1 mA |
| Follow current | If | None |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | In | 15 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | Imax | 40 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | Imax Total | 60 kA |
| Current withstand short circuit PV | Iscpv | 15 000 A |
| Connection mode(s) | | +/-PE |
| Protection mode(s) | | Common mode |
| Protection level +/-PE (-/PE) <i>@ In (8/20μs)</i> | Up | 2.8 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 | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection SPD of the PV line |
| Disconnection indicator | | 2 mechanical indicators - Red/Green |
| Spare module(s) | | DSM50PV-600/51 |
| Remote signaling of disconnection | | Option DS50PVS-600/51 - output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0,068 |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Back-up protection device | | Without |
| Standards | | |
| Standards compliance | | EN 61643-31 / EN 50539-11 |
| Certification | | |
| Part number | | |
| 480420 | | |

