



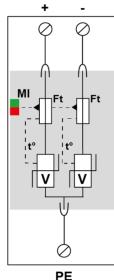
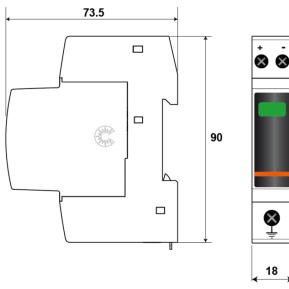
CITEL

DC power surge protector Type 2 - 48 Vdc

DDC30C-20-65



- Type 2 DC power surge protector
- Compact design
- Imax: 30 kA
- Pluggable module
- Remote signaling (option)
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5



V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

| | | |
|---|------------|-------------------|
| SPD type | IEC | 2 |
| Network | | DC network 48 Vdc |
| Nominal PV voltage | Uocstc | 48 Vdc |
| Max. AC operating voltage | Uc | 50 Vac |
| Max. PV operating voltage | Ucpv | 65 Vdc |
| Max. DC operating voltage | Uc | 65 Vdc |
| Max. load current @25°C | IL | 20 A |
| Residual Current | Ipe | < 0.2 mA |
| Leakage current to Ground | | |
| PV Permanent Operating current | Icpv | < 0.1 mA |
| Current consumption at Ucpv | | |
| 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 | 30 kA |
| Total Maximum discharge current max. total withstand @ 8/20 µs | Imax Total | 60 kA |
| Current withstand short circuit PV | Iscpv | 1000 A |
| Connection mode(s) | | +/-PE |
| Protection level +/PE (-/PE) @ In (8/20µs) | Up | 300 V |
| Admissible short-circuit current | Isccr | 10 000 A |

Mechanical Characteristics

| | |
|-----------------------------------|--|
| Technology | MOV |
| Connection to Network | By screw terminals: 1.5-10mm ² (actives wires) and 2.5-25mm ² (ground) |
| 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 from DC network |
| Disconnection indicator | 1 mechanical indicator - Red/Green |
| Spare module(s) | DDC30C-20-65 |
| Remote signaling of disconnection | Option DDC30CS-20-65: output on changeover contact |
| Dimensions | See diagram - 1TE (EN43880) |
| Weight | 0.100 kg |
| Disconnectors | |
| Thermal disconnector | Internal |
| Back-up protection device | 50 A min. - 125 A max. - Fuses Type gG |
| Standards | |
| Standards compliance | prIEC 61643-41 and UL1449 ed.5 |
| Part number | 828310111 |

