



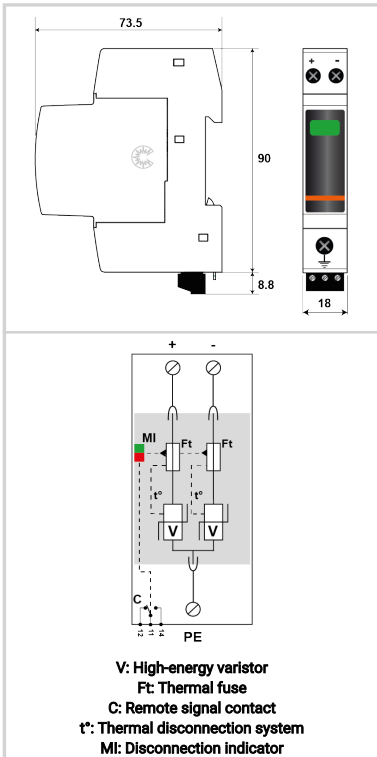
CITEL

DC power surge protector Type 2 - 350 Vdc

DDC40CS-20-460



- ▶ Type 2 DC power surge protector
- ▶ Compact design
- ▶ I_{max}: 40 kA
- ▶ Pluggable module
- ▶ Remote signaling
- ▶ Low Up protection level
- ▶ Compliance prIEC 61643-41 and UL1449 ed.5
- ▶ Certified EN 61643-31 / IEC 61643-31



Electrical Characteristics

| | | |
|------------------------------------|------------------------|--------------------|
| SPD type | IEC | 2 |
| Network | | DC network 350 Vdc |
| Nominal PV voltage | Uocstc | 350 Vdc |
| Max. AC operating voltage | Uc | 350 Vac |
| Max. PV operating voltage | Ucpv | 460 Vdc |
| Max. DC operating voltage | Uc | 460 Vdc |
| Max. load current @25°C | IL | 20 A |
| Residual Current | lpe | < 0.2 mA |
| Leakage current to Ground | | |
| PV Permanent Operating current | lcpv | < 0.1 mA |
| Current consumption at Ucpv | | |
| Nominal discharge current | In | 20 kA |
| 15 x 8/20 μs impulses | | |
| Max. discharge current | I _{max} | 40 kA |
| max. withstand @ 8/20 μs by pole | | |
| Total Maximum discharge current | I _{max} Total | 80 kA |
| max. total withstand @ 8/20 μs | | |
| Current withstand short circuit PV | I _{scpv} | 1000 A |
| Connection mode(s) | | +/-/PE |
| Protection level +/-PE (-/PE) | Up | 1400 V |
| @ In (8/20μs) | | |
| Admissible short-circuit current | I _{scsr} | 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) | | MDDC40C-20-460 |
| Remote signaling of disconnection | | Output on changeover contact |
| Wiring for remote signaling | | 1.5 mm ² max. |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 3 A (DC) |
| Dimensions | | See diagram - 1TE (EN43880) |

Disconnectors

| | | |
|---------------------------|--|--|
| Thermal disconnector | | Internal |
| Back-up protection device | | 50 A min. - 125 A max. - Fuses Type gG |

Standards

| | | |
|----------------------|--|---|
| Standards compliance | | IEC 61643-31 / EN 61643-31 / prIEC 61643-41 and UL1449 ed.5 |
| Certification | | KEMA |

Part number

828411121

