



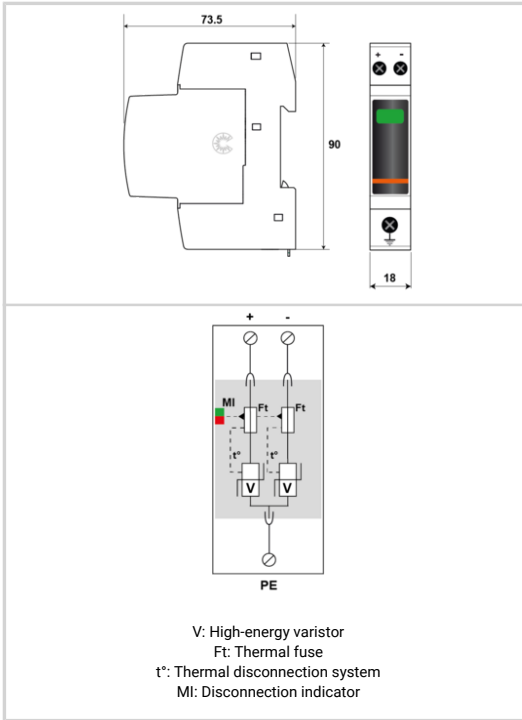
# DC power surge protector Type 2 - 350 Vdc

# CITEL

## DDC40C-20-460



- Type 2 DC power surge protector
- Compact design
- I<sub>max</sub>: 40 kA
- Pluggable module
- Remote signaling (option)
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5



| Electrical Characteristics                              |  |
|---|--|
| SPD type  | 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 Leakage current to Ground              | Ipe < 0.1 mA   |
| PV Permanent Operating Current consumption at Ucpv      | Icpv < 0.1 mA  |
| Nominal discharge current 15 x 8/20 μs impulses         | In 20 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole | I <sub>max</sub> 40 kA   |
| Current withstand short circuit PV                      | I <sub>scpv</sub> 1000 A   |
| Connection mode(s)                                      | +/-/PE   |
| Protection level +/-PE (-/PE) @ In (8/20μs)             | Up 1400 V  |
| Mechanical Characteristics                              |  |
| Technology  | MOV  |
| Connection to Network                                   | By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (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                       | Option DDC40CS-20-460: output on changeover contact  |
| Dimensions  | See diagram - 1TE (EN43880)  |
| Weight  | 0.157 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   |  |
| 828411111   |  |

