



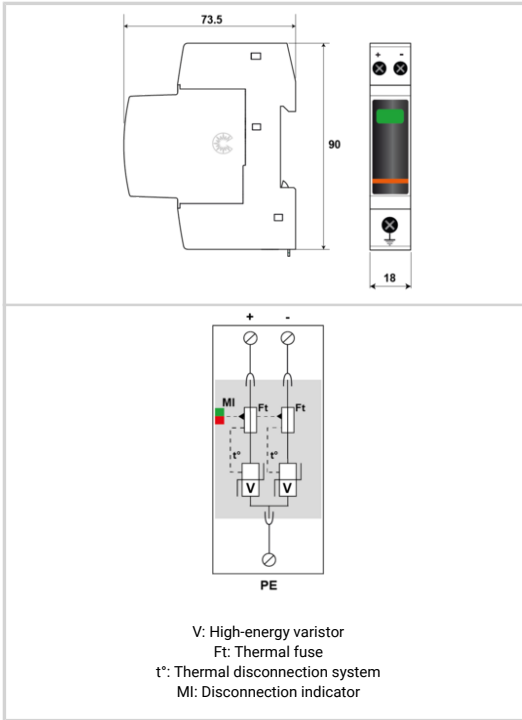
DC power surge protector Type 2 -130 Vdc

CITEL

DDC40C-20-180



- Type 2 DC power surge protector
- Compact design
- I_{max}: 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 130 Vdc |
| Nominal PV voltage | Uocstc 130 Vdc |
| Max. AC operating voltage | Uc 150 Vac |
| Max. PV operating voltage | Ucpv 180 Vdc |
| Max. DC operating voltage | Uc 180 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 _{max} 40 kA |
| Current withstand short circuit PV | I _{scpv} 1000 A |
| Connection mode(s) | +/-PE |
| Protection level +/-PE (-/PE) @ In (8/20μs) | Up 620 V |
| 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-20-180 |
| Remote signaling of disconnection | Option DDC40CS-20-180 : output on changeover contact |
| Dimensions | See diagram - 1TE (EN43880) |
| Weight | 0.135 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 | |
| 828410811 | |

