



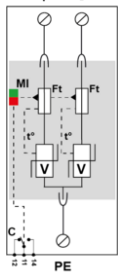
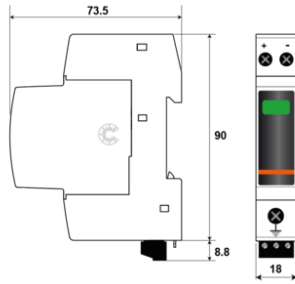
DC power surge protector Type 2 - 12 Vdc

CITEL

DDC20CS-20-24



- Type 2 DC power surge protector
- Compact design
- I_{max}: 20 kA
- Pluggable module
- Low Up protection level
- Remote signaling
- Compliance prIEC 61643-41 and UL1449 ed.5



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

| Electrical Characteristics | | |
|--|------------------------|--|
| SPD type | | 2 |
| Network | | DC network 12 Vdc |
| Nominal PV voltage | Uocstc | 12 Vdc |
| Max. AC operating voltage | Uc | 20 Vac |
| Max. PV operating voltage | Ucpv | 24 Vdc |
| Max. DC operating voltage | Uc | 24 Vdc |
| Max. load current @25°C | IL | 20 A |
| Residual Current Leakage current to Ground | Ipe | < 0.1 mA |
| PV Permanent Operating current Current consumption at Ucpv | Icpv | < 0.1 mA |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 10 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 20 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max Total} | 40 kA |
| Current withstand short circuit PV | Iscpv | 1000 A |
| Connection mode(s) | | +/-PE |
| Protection level +/-PE (-/PE) @ In (8/20μs) | Up | 250 V |
| Admissible short-circuit current | Iscsr | 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) | | MDDC20C-20-24 |
| 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) |
| Weight | | 0.103 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Back-up protection device | | 20 A min. - 125 A max. - Fuses type gG |
| Standards | | |
| Standards compliance | | prIEC 61643-41 and UL1449 ed.5 |
| Part number | | |
| 828210321 | | |

