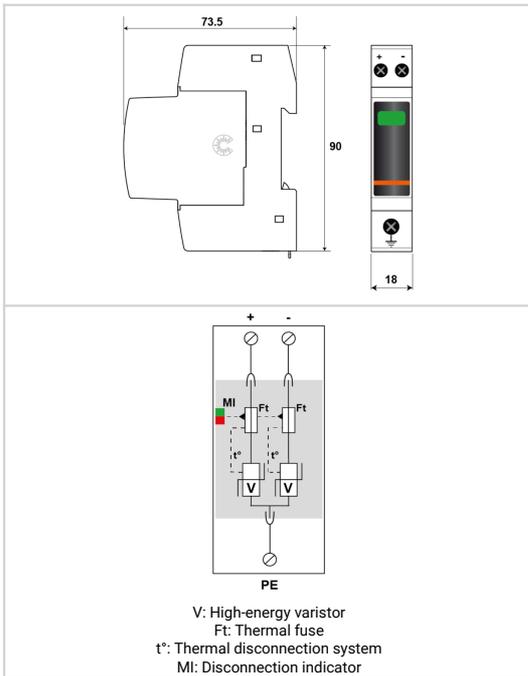




- ✦ Type 2 DC power surge protector
- ✦ Compact design
- ✦ I_{max}: 40 kA
- ✦ Pluggable module
- ✦ Remote signaling (option)
- ✦ Low Up protection level
- ✦ Compliance prIEC 61643-41 and UL1449 ed.5



| Electrical Characteristics | | |
|--|--------------------|--|
| SPD type | IEC | 2 |
| Network | | DC network 130 Vdc |
| Nominal PV voltage | U _{ocstc} | 130 Vdc |
| Max. AC operating voltage | U _c | 150 Vac |
| Max. PV operating voltage | U _{cpv} | 180 Vdc |
| Max. DC operating voltage | U _c | 180 Vdc |
| Max. load current @25°C | I _L | 20 A |
| Residual Current Leakage current to Ground | I _{pe} | < 0.2 mA |
| PV Permanent Operating current Current consumption at U _{cpv} | I _{cpv} | < 0.1 mA |
| Nominal discharge current 15 x 8/20 μs impulses | I _n | 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) @ I _n (8/20μs) | U _p | 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 | T _u | -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) |
| 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 | | |