



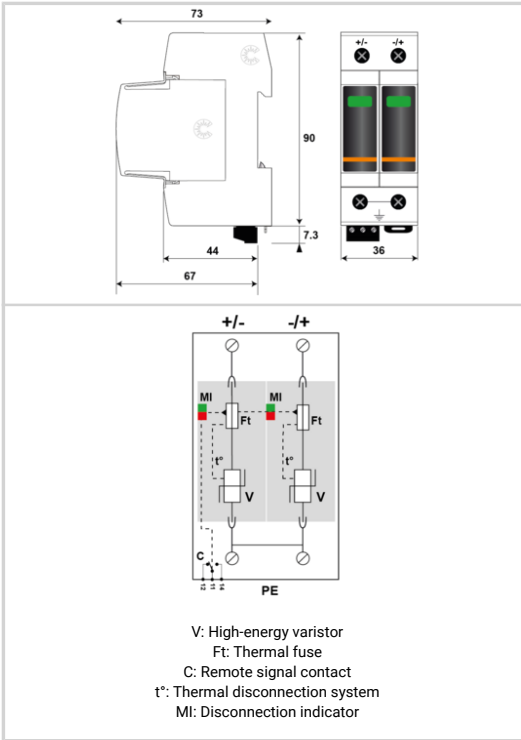
1-pole Type 1 and Type 2 SPD for 48 Vdc

CITEL

DDC30S-20-85



- Combined SPD for DC supplies, 2-pole
- Type 1 + 2
- In: 15 kA / I_{max}: 30 kA
- I_{imp}: 4kA
- Pluggable module
- Remote signaling
- prIEC 61643-41 compliance



| Electrical Characteristics | |
|--|--|
| SPD type | 1+2 |
| Nominal DC voltage | Un-dc 75 Vdc |
| Max. AC operating voltage | Uc 60 Vac |
| Max. DC operating voltage | Uc 85 Vdc |
| Residual Current Leakage current to Ground | I _{pe} < 0.1 mA |
| Follow current | I _f None |
| 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} 30 kA |
| Impulse current by pole max. withstand 10/350μs by pole | I _{imp} 4 kA |
| Total lightning current max. total withstand @ 10/350μs | I _{total} 8 kA |
| Connection mode(s) | +/-PE and -/PE |
| Protection level +/-PE (-/PE) @ I _n (8/20μs) | U _p 390 V / 780 V |
| Admissible short-circuit current | I _{sc} 50 000 A |
| Mechanical Characteristics | |
| Technology | MOV |
| SPD configuration | 2-poles |
| Connection to Network | Screw terminals: 2.5-25mm ² +/- 1.5-10mm ² |
| 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 | 2 mechanical indicators - Red/Green |
| Spare module(s) | MDDC30-85 |
| 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 - 2TE (EN43880) |
| Disconnectors | |
| Thermal disconnector | Internal |
| Back-up protection device | 50 A min. - 125 A max. - Fuses Type gG |
| Standards | |
| Standards compliance | prIEC 61643-41 |
| Part number | |
| 828110222 | |

