



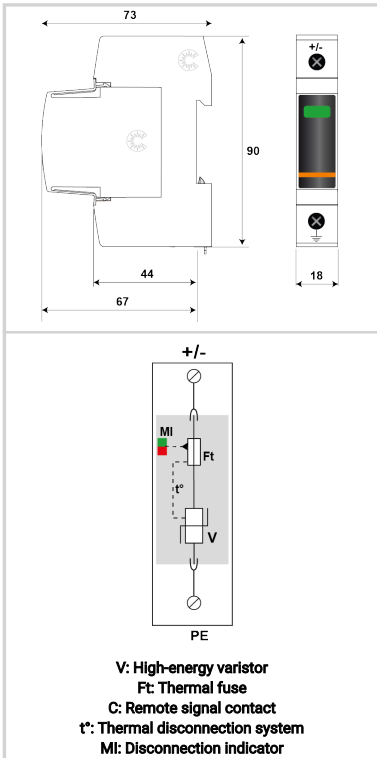
# CITEL

## DC power surge protector - 75 Vdc

### DDC30-10-85



- › Surge protector for DC supplies 1-pole
- › Type 1 + 2
- › In: 15 kA / Imax: 30 kA
- › Iimp: 4kA
- › Pluggable module
- › Remote signaling (option)
- › prIEC 61643-41 compliance



| Electrical Characteristics  |        |   |
|---|--------|---|
| SPD type  | IEC    | 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<br><i>Leakage current to Ground</i>              | Ipe    | < 0.2 mA  |
| Follow current  | If     | None  |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>         | In     | 20 kA   |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i> | Imax   | 30 kA   |
| Impulse current by pole<br><i>max. withstand 10/350μs by pole</i> | Iimp   | 4 kA  |
| Total lightning current<br><i>max. total withstand @ 10/350μs</i> | Itotal | 60 kA   |
| Connection mode(s)  |        | +/PE or -/PE  |
| Protection level +/PE (-/PE)<br><i>@ In (8/20μs)</i>              | Up     | 390 V / -   |
| Admissible short-circuit current                                  | Iscrr  | 50 000 A  |
| Mechanical Characteristics  |        |   |
| Technology  |        | MOV   |
| SPD configuration   |        | Single phase  |
| Connection to Network   |        | Srew terminals: 2.5-25mm <sup>2</sup> +/- 1.5-10mm <sup>2</sup> |
| 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 AC network                                   |
| Disconnection indicator   |        | 1 mechanical indicator - Red/Green                              |
| Spare module(s)   |        | MDDC30-85   |
| Remote signaling of disconnection                                 |        | Option DDC30S-10-85: output on changeover contact               |
| Wiring for remote signaling                                       |        | 1.5 mm <sup>2</sup> max.  |
| Max. Voltage/Current for remote signaling                         |        | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)                            |
| Dimensions  |        | See diagram - 1TE (EN43880)                                     |
| Weight  |        | 0.094 kg  |
| 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   |        |   |
| <b>828110211</b>  |        |   |

