



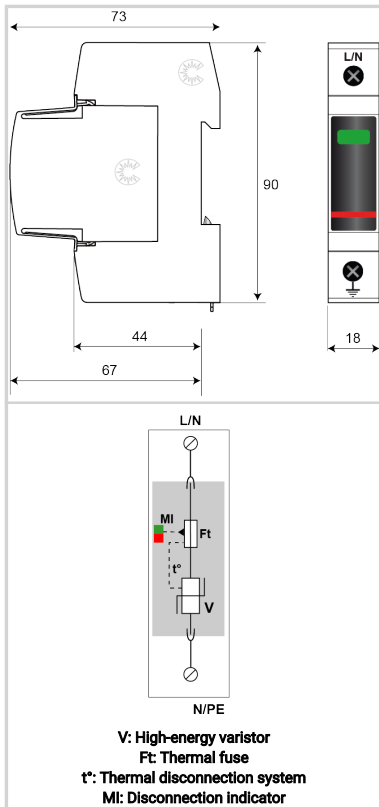
# CITEL

## Type 2 AC surge protector - 1-pole - pluggable

### DAC50-10-530



- ▶ Type 2 AC multipolar surge protector
- ▶ In: 20 kA
- ▶ Imax: 50 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 certified



| Electrical Characteristics   |        |   |
|--|--------|---|
| SPD type   | IEC    | 2   |
| Max. AC operating voltage  | Uc     | 530 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT     | 700 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT     | 920 Vac disconnection   |
| Residual Current Leakage current to Ground   | Ipe    | < 1 mA  |
| Follow current   | If     | None  |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses   | In     | 20 kA   |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole   | Imax   | 50 kA   |
| Protection level @ In (8/20 $\mu$ s)   | Up     | 2.4 kV  |
| Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)   | Up-5kA | 2 kV  |
| Admissible short-circuit current   | Iscrr  | 50 000 A  |
| Mechanical Characteristics   |        |   |
| Technology   |        | MOV   |
| SPD configuration  |        | Single phase  |
| Connection to Network  |        | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid) |
| Format   |        | Plug-in modular box   |
| Mounting   |        | Symmetrical rail 35 mm (EN 60715)                                   |
| Housing material   |        | Thermoplastic UL94 V-0  |
| Operating temperature  | Tu     | -40/+85°C   |
| Ingress Protection rating  |        | IP20 (NEMA 2)   |
| Failsafe mode  |        | Disconnection from AC network                                       |
| Disconnection indicator  |        | 1 mechanical indicator - Red/Green                                  |
| Spare module(s)  |        | MDAC50-530  |
| Remote signaling of disconnection  |        | option DAC50S-10-530 : 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)   |
| Disconnectors  |        |   |
| Thermal disconnector   |        | Internal  |
| Installation ground fault breaker  |        | Type 'S' or delayed   |
| Back-up protection device  |        | 50 A min. - 125 A max. - Fuses Type gG                              |
| Standards  |        |   |
| Standards compliance   |        | IEC 61643-11 / EN 61643-11  |
| Certification  |        | OVE   |
| Part number  |        |   |
| 821110511  |        |   |

