



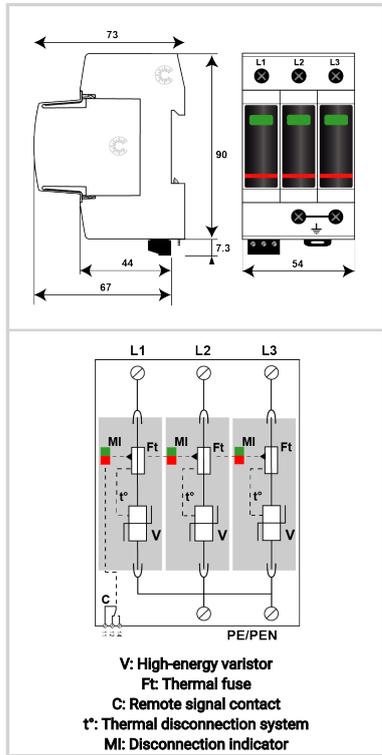
# CITEL

## Type 2 AC surge protector - 3-phase

### DAC50S-30-150



- ▶ Type 2 AC surge protector
- ▶ In: 20 kA
- ▶ I<sub>max</sub>: 50 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 compliance



#### Electrical Characteristics

|  |                        |                       |
|--|------------------------|-----------------------|
| SPD type   | IEC                    | 2                     |
| Network  |                        | 120/208 V 3-phase     |
| AC system  |                        | TNC                   |
| Max. AC operating voltage  | U <sub>c</sub>         | 150 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                     | 180 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                     | 230 Vac disconnection |
| Residual Current Leakage current to Ground   | I <sub>pe</sub>        | < 1 mA                |
| Follow current   | I <sub>f</sub>         | None                  |
| Nominal discharge current 15 x 8/20 μs impulses  | I <sub>n</sub>         | 20 kA                 |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 50 kA                 |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max Total</sub> | 150 kA                |
| Protection mode(s)   |                        | L/PE                  |
| Protection level L/PE @ I <sub>n</sub> (8/20 μs)   | U <sub>p L/PE</sub>    | 1.2 kV                |
| Admissible short-circuit current   | I <sub>sc cr</sub>     | 50 000 A              |

#### Mechanical Characteristics

|   |                |  |
|---|----------------|--|
| Technology                                |                | MOV  |
| SPD configuration                         |                | 3-phase                                    |
| Connection to Network                     |                | By screw terminals: 2.5-25mm <sup>2</sup>  |
| Format                                    |                | Plug-in modular box                        |
| Mounting                                  |                | Symmetrical rail 35 mm (EN 60715)          |
| Housing material                          |                | Thermoplastic UL94 V-0                     |
| Operating temperature                     | T <sub>u</sub> | -40/+85°C                                  |
| Protection rating                         |                | IP20                                       |
| Failsafe mode                             |                | Disconnection from AC network              |
| Disconnection indicator                   |                | 1 mechanical indicator by pole - Red/Green |
| Spare module(s)                           |                | MDAC50-150                                 |
| Remote signaling of disconnection         |                | 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 - 3 TE (EN43880)               |
| Weight                                    |                | 0.272 kg                                   |

#### 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 / UL                   |

#### Part number

**821110123**

