



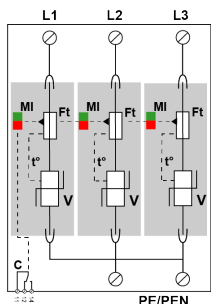
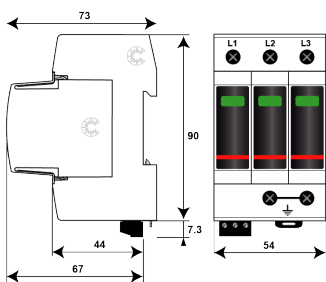
# CITEL



## 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



V: High-energy varistor  
Ft: Thermal fuse  
C: Remote signal contact  
t\*: Thermal disconnection system  
MI: Disconnection indicator

#### Electrical Characteristics

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

#### 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

