



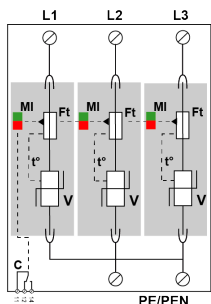
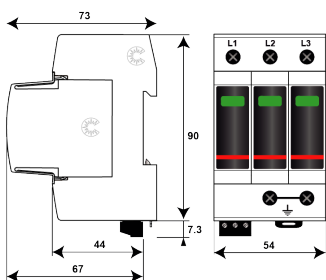
# CITEL



## Type 2 AC surge protector - 3-phase

### DAC50S-30-530

- 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                                                                                                  |                        | 230/400V                                   |
| AC system                                                                                                |                        | TNC-IT                                     |
| Max. AC operating voltage                                                                                | U <sub>c</sub>         | 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<br>Leakage current to Ground                                                            | I <sub>pe</sub>        | < 1 mA                                     |
| Follow current                                                                                           | I <sub>f</sub>         | None                                       |
| Nominal discharge current<br>15 x 8/20 µs impulses                                                       | I <sub>n</sub>         | 20 kA                                      |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole                                               | I <sub>max</sub>       | 50 kA                                      |
| Total Maximum discharge current<br>max. total withstand @ 8/20 µs                                        | I <sub>max</sub> Total | 150 kA                                     |
| Protection mode(s)                                                                                       |                        | L/PE                                       |
| Protection level L/PE<br>@ I <sub>n</sub> (8/20µs)                                                       | Up L/PE                | 2.4 kV                                     |
| Residual voltage L/PE at 5 kA<br>@ 5 kA (8/20µs)                                                         | Up-5kA                 | 2 kV                                       |
| Admissible short-circuit current                                                                         | I <sub>sc</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)                                                                                          |                        | MDAC50-530                                 |
| 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                                                                                            |                        | ÖVE / UL                                   |
| Part number                                                                                              |                        |                                            |
| 821110523                                                                                                |                        |                                            |

