



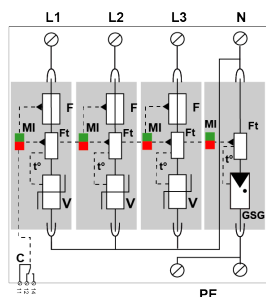
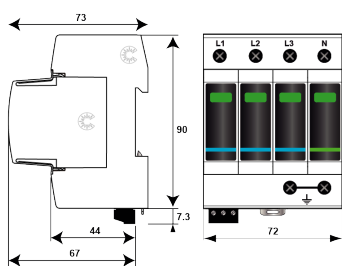
# CITEL

## Type 2 or 3 AC surge protector - pluggable with integrated fuse

### DACF15S-31-150



- Type 2 (or 3) AC surge protector
- Internal Disconnection device
- Low fuse rating of the internal connector = systematic coordination with upstream circuit breaker
- In: 5 kA
- I<sub>max</sub>: 15 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



#### Electrical Characteristics

|                                                                                                          |                     |                              |
|----------------------------------------------------------------------------------------------------------|---------------------|------------------------------|
| SPD type                                                                                                 | IEC                 | 2+3                          |
| Network                                                                                                  |                     | 120/208 V 3-phase+N          |
| AC system                                                                                                |                     | TT-TNS                       |
| 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 withstand            |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT                  | 1200 V/300A/200 ms withstand |
| Residual Current Leakage current to Ground                                                               | I <sub>pe</sub>     | None                         |
| Follow current                                                                                           | I <sub>f</sub>      | None                         |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | I <sub>n</sub>      | 5 kA                         |
| Nominal discharge current N/PE 15 x 8/20 $\mu$ s impulses                                                | I <sub>n</sub> N/PE | 20 kA                        |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | I <sub>max</sub>    | 15 kA                        |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s             | U <sub>oc</sub>     | 10 kV                        |
| Protection level L/N @ I <sub>n</sub> (8/20 $\mu$ s)                                                     | U <sub>p</sub> L/N  | 0.6 kV                       |
| Protection level N/PE @ I <sub>n</sub> (8/20 $\mu$ s)                                                    | U <sub>p</sub> N/PE | 1.5 kV                       |
| Admissible short-circuit current                                                                         | I <sub>sc</sub>     | 100 000 A                    |

#### Mechanical Characteristics

|                                   |                |                                                                     |
|-----------------------------------|----------------|---------------------------------------------------------------------|
| Technology                        |                | MOV+GDT                                                             |
| SPD configuration                 |                | 3-phase+Neutral                                                     |
| 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             | 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)                   |                | MDACF15-150 + MDAC50G-255                                           |
| Remote signaling of disconnection |                | output on changeover contact                                        |
| Wiring for remote signaling       |                | 1.5 mm <sup>2</sup> max.                                            |
| Dimensions                        |                | See diagram - 4TE (EN43880)                                         |

#### Disconnectors

|                                   |  |                                                 |
|-----------------------------------|--|-------------------------------------------------|
| Thermal disconnector              |  | Internal                                        |
| Installation ground fault breaker |  | Type 'S' or delayed                             |
| Back-up protection device         |  | internal (equivalent AC rating : 25 A, gG Type) |

#### Standards

|                      |  |                            |
|----------------------|--|----------------------------|
| Standards compliance |  | IEC 61643-11 / EN 61643-11 |
|----------------------|--|----------------------------|

#### Part number

821310144

