



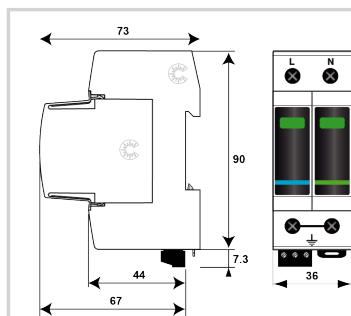
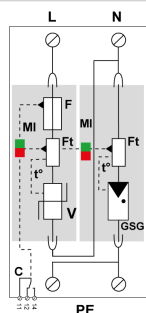
# CITEL

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

### DACF15S-11-150



- 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



V: High-energy varistor  
GSG: Specific gas tube  
F: Fuse  
Ft: Thermal fuse  
t\*: Thermal disconnection system  
MI: Disconnection indicator

| Electrical Characteristics                                                                               |                     |                                                                     |
|----------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|
| SPD type                                                                                                 | IEC                 | 2+3                                                                 |
| Network                                                                                                  |                     | 120/208 V                                                           |
| AC system                                                                                                |                     | TT-TN                                                               |
| 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 µs impulses                                                          | I <sub>n</sub>      | 5 kA                                                                |
| Nominal discharge current N/PE 15 x 8/20 µs impulses                                                     | I <sub>n</sub> N/PE | 20 kA                                                               |
| Max. discharge current max. withstand @ 8/20 µs by pole                                                  | I <sub>max</sub>    | 15 kA                                                               |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs                         | U <sub>oc</sub>     | 10 kV                                                               |
| Protection level L/N @ I <sub>n</sub> (8/20µs)                                                           | U <sub>p</sub> L/N  | 0.6 kV                                                              |
| Protection level N/PE @ I <sub>n</sub> (8/20µs)                                                          | 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                                                                                        |                     | 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                                                                                    | 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 - 1TE (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                                                                                              |                     |                                                                     |
| 821310142                                                                                                |                     |                                                                     |

