

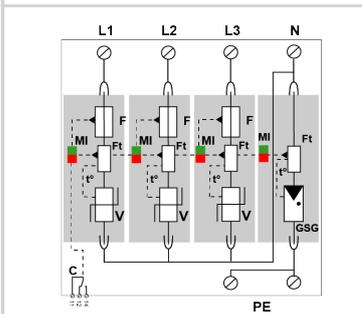
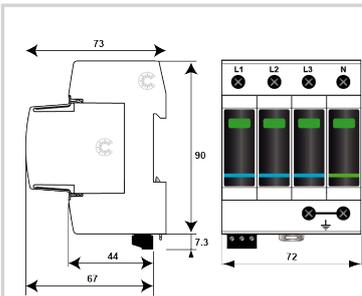


CITEL

DACF15S-31-275



- ▶ 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  
 Ft\*: Thermal disconnection system  
 MI: Disconnection indicator  
 C: Remote signal contact

| Electrical Characteristics   |                     |   |
|--|---------------------|---|
| SPD type   | IEC                 | 2+3   |
| Network  |                     | 230/400 V 3-phase+N   |
| AC system  |                     | TT-TNS  |
| Max. AC operating voltage  | U <sub>c</sub>      | 275 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                  | 335 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                  | 440 Vac disconnection   |
| 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  | 1 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  |                     | 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)  |                     | MDACF15-275 + MDAC50G-275   |
| 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  |                     |   |
| 821310244  |                     |   |

