



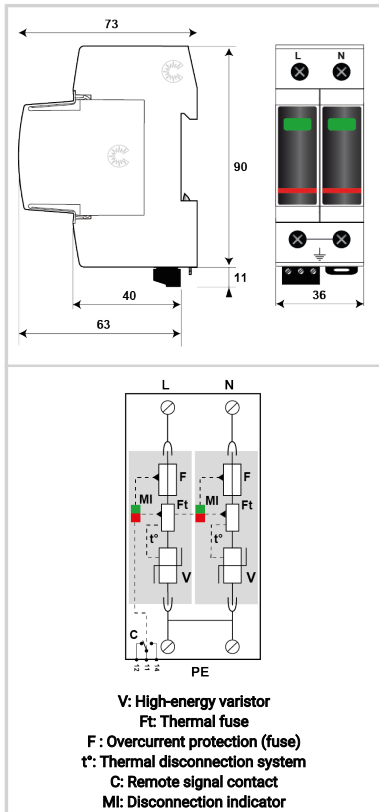
# CITEL

## Type 2 AC surge protector - Single-phase - Integrated fuses

### DACF25S-20-275



- ▶ Type 2 AC surge protector
- ▶ In: 15 kA
- ▶ I<sub>max</sub>: 25 kA
- ▶ Internal Disconnection device
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 certified
- ▶ UL1449 ed.5 compliance



| Electrical Characteristics   |                        |   |
|--|------------------------|---|
| SPD type   | IEC                    | 2   |
| Network  |                        | 230 V single-phase  |
| AC system  |                        | TN  |
| 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   |
| Residual Current Leakage current to Ground   | I <sub>pe</sub>        | < 1 mA  |
| Follow current   | I <sub>f</sub>         | None  |
| Nominal discharge current 15 x 8/20 μs impulses  | I <sub>n</sub>         | 15 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 25 kA   |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max</sub> Total | 50 kA   |
| Connection mode(s)   |                        | L/PE and N/PE   |
| Protection level N/PE @ I <sub>n</sub> (8/20 μs)   | Up N/PE                | 1.25 kV   |
| Protection level L/PE @ I <sub>n</sub> (8/20 μs)   | Up L/PE                | 1.25 kV   |
| Protection level N/PE at 5 kA @ 5 kA (8/20 μs)   | Up-5kA                 | 1 kV  |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20 μs)   | Up-5kA                 | 1 kV  |
| Admissible short-circuit current   | I <sub>scrr</sub>      | 100 000 A   |
| Mechanical Characteristics   |                        |   |
| Technology   |                        | MOV   |
| 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)  |                        | MDACF25-275   |
| 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 - 2 TE (EN43880)  |
| Disconnectors  |                        |   |
| Thermal disconnector   |                        | Internal  |
| Installation ground fault breaker  |                        | Type 'S' or delayed   |
| Back-up protection device  |                        | internal (equivalent AC rating : 40 A, gG Type)                     |
| Standards  |                        |   |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                            |
| Certification  |                        | KEMA  |
| Part number  |                        |   |
| <b>821410222</b>   |                        |   |

