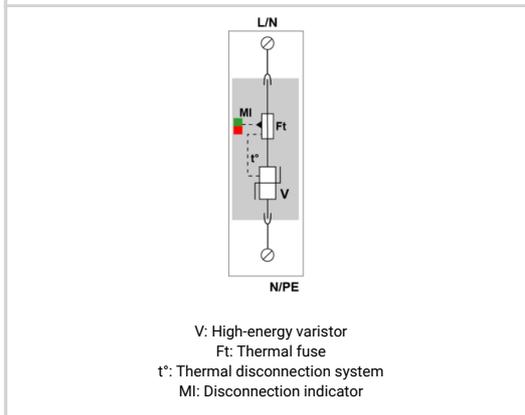
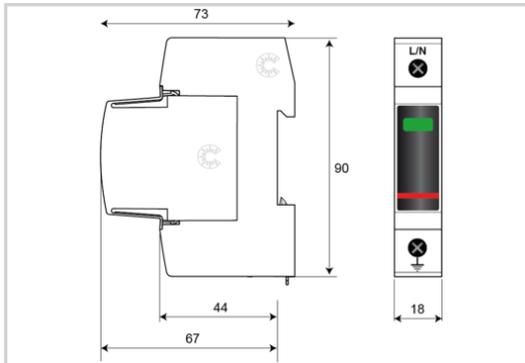


DAC50-10-275



- Type 2 AC surge protector
- In : 20 kA
- I<sub>max</sub> : 50 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.4 certified



| Electrical Characteristics                                                                                 |                    |                                                                     |
|------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|
| SPD type (following IEC tests)                                                                             |                    | 2                                                                   |
| Max. AC operating voltage                                                                                  | U <sub>c</sub>     | 275 Vac                                                             |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. (Without disconnection)                              | U <sub>T</sub>     | 335 Vac withstand                                                   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn (Without disconnection or with safety disconnection) | U <sub>T</sub>     | 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>     | 20 kA                                                               |
| Max. discharge current (max. withstand @ 8/20 μs by pole)                                                  | I <sub>max</sub>   | 50 kA                                                               |
| Protection level (@ I <sub>n</sub> (8/20μs))                                                               | U <sub>p</sub>     | 1.25 kV                                                             |
| Residual voltage at 5 kA (@ 5 kA (8/20μs))                                                                 | U <sub>p-5kA</sub> | 1 kV                                                                |
| Admissible short-circuit current                                                                           | I <sub>sc</sub>    | 50 000 A                                                            |
| Mechanical Characteristics                                                                                 |                    |                                                                     |
| Technology                                                                                                 |                    | MOV                                                                 |
| SPD configuration                                                                                          |                    | 1-pole                                                              |
| Connection to Network                                                                                      |                    | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid) |
| Format                                                                                                     |                    | Plug-in modular box                                                 |
| Pluggable                                                                                                  |                    | Yes                                                                 |
| 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 - Red/Green                                  |
| Spare module(s)                                                                                            |                    | MDAC50-275                                                          |
| Remote signaling of disconnection                                                                          |                    | option DAC50S-10-275 : output on changeover contact                 |
| Dimensions                                                                                                 |                    | See diagram - 1TE (EN43880)                                         |
| Disconnectors                                                                                              |                    |                                                                     |
| Thermal disconnector                                                                                       |                    | Internal                                                            |
| Installation ground fault breaker                                                                          |                    | Type 'S' or delayed                                                 |
| Fuses                                                                                                      |                    | 50 A min. - 125 A max. - Fuses Type gG                              |
| Standards                                                                                                  |                    |                                                                     |
| Standards compliance                                                                                       |                    | IEC 61643-11 / EN 61643-11 / UL1449 ed.4                            |
| Certification                                                                                              |                    | ÖVE / UL / EAC                                                      |
| Part number                                                                                                |                    |                                                                     |
| 821110211                                                                                                  |                    |                                                                     |