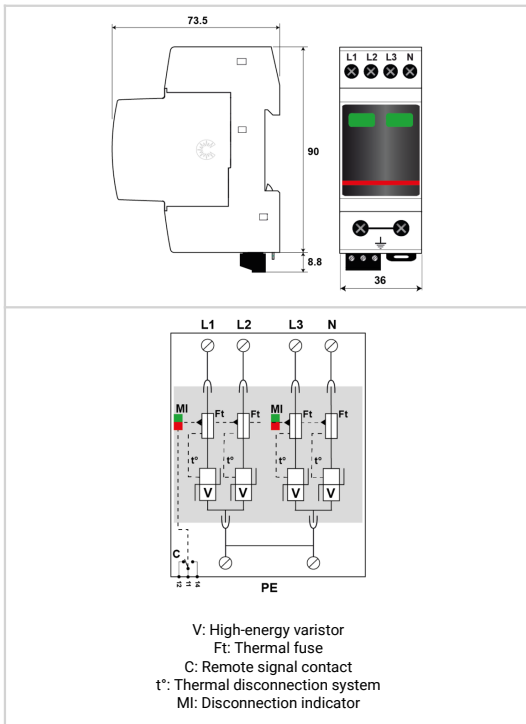


## DAC40CS-40-275



- ✦ Compact, multipole type 2
- ✦ Conductivity per pole:  $I_n = 20$  kA;  $I_{max} = 40$  kA
- ✦ Protection modes - common and/or differential
- ✦ Safe disconnect device
- ✦ Transverse / longitudinal voltage protection
- ✦ Energetically coordinated
- ✦ Pluggable protection module
- ✦ Remote signalling
- ✦ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



| Electrical Characteristics   |                        |   |  |
|--|------------------------|---|--|
| SPD type   | IEC                    | 2   |  |
| Network  |                        | 230/400 V   |  |
| AC system  |                        | TN  |  |
| Max. AC operating voltage  | Uc                     | 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   | Ipe                    | < 1 mA  |  |
| Follow current   | If                     | None  |  |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses   | In                     | 20 kA   |  |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole   | I <sub>max</sub>       | 40 kA   |  |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | I <sub>max</sub> Total | 160 kA  |  |
| Protection mode(s)   |                        | L/PE and N/PE   |  |
| Protection level N/PE @ In (8/20 $\mu$ s)  | Up N/PE                | 1.25 kV   |  |
| Protection level L/PE @ In (8/20 $\mu$ s)  | Up L/PE                | 1.25 kV   |  |
| Admissible short-circuit current   | I <sub>sc</sub>        | 10 000 A  |  |
| Mechanical Characteristics   |                        |   |  |
| Technology   |                        | MOV   |  |
| SPD configuration  |                        | 3-phase+Neutral   |  |
| Connection to Network  |                        | By screw terminals: L/N = 1.5-10mm <sup>2</sup> (16mm <sup>2</sup> rigid) or PE = 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  | Tu                     | -40/+85°C   |  |
| Protection rating  |                        | IP20  |  |
| Failsafe mode  |                        | Disconnection from AC network   |  |
| Disconnection indicator  |                        | 2 mechanical indicators - Red/Green   |  |
| Spare module(s)  |                        | MDAC40C-40-275  |  |
| 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 - 2TE (EN43880)   |  |
| Weight   |                        | 0.235 kg  |  |
| Disconnectors  |                        |   |  |
| Thermal disconnector   |                        | Internal  |  |
| Installation ground fault breaker  |                        | Type 'S' or delayed   |  |
| Back-up protection device  |                        | 50 A min. - 125 A max. - Fuses Type gG  |  |
| Standards  |                        |   |  |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5  |  |
| Certification  |                        | KEMA  |  |
| Part number  |                        |   |  |
| 821510222  |                        |   |  |