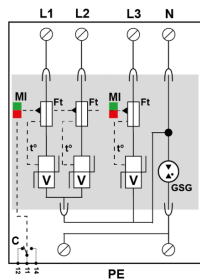
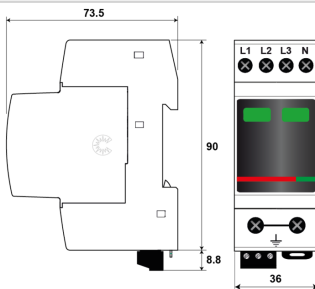


## DAC40CS-31-275



- ✦ Compact, multipole type 2
- ✦ Conductivity per pole:  $I_n = 20 \text{ kA}$ ;  $I_{max} = 40 \text{ kA}$
- ✦ 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



V: High-energy varistor  
 GSG: Specific gas tube  
 Ft: Thermal fuse  
 C: Remote signaling contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

| Electrical Characteristics   |                 |  |   |
|--|-----------------|--|---|
| SPD type   | IEC             |  | 2   |
| Network  |                 |  | 230/400 V   |
| AC system  |                 |  | TT-TNS  |
| 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   |
| 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   | Ipe             |  | None  |
| Follow current   | If              |  | None  |
| Nominal discharge current 15 x 8/20 $\mu\text{s}$ impulses   | $I_n$           |  | 20 kA   |
| Max. discharge current max. withstand @ 8/20 $\mu\text{s}$ by pole                                       | $I_{max}$       |  | 40 kA   |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu\text{s}$                                | $I_{max}$ Total |  | 40 kA   |
| Protection mode(s)   |                 |  | L/PE and N/PE   |
| Protection level L/N @ $I_n$ (8/20 $\mu\text{s}$ )   | Up L/N          |  | 1.25 kV   |
| Protection level N/PE @ $I_n$ (8/20 $\mu\text{s}$ )  | Up N/PE         |  | 1.5 kV  |
| Admissible short-circuit current   | Iscrc           |  | 10 000 A  |
| Mechanical Characteristics   |                 |  |   |
| Technology   |                 |  | MOV+GDT   |
| 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-31-275  |
| 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   |                 |  | 0.180 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  |                 |  |   |
| 821520222  |                 |  |   |