



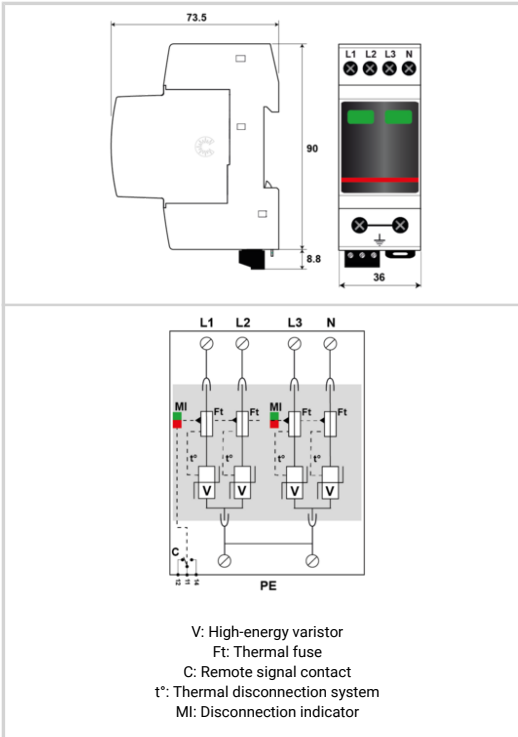
## Type 2 AC surge protector - 3-phase+N

# CITEL

## DAC40CS-40-440



- ↳ 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



| Electrical Characteristics   |                 |   |
|--|-----------------|---|
| SPD type   |                 | 2   |
| Network  |                 | 230/400 V   |
| AC system  |                 | IT  |
| Max. AC operating voltage  | Uc              | 440 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT              | 580 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT              | 770 Vac disconnection   |
| Residual Current Leakage current to Ground   | Ipe             | < 1 mA  |
| 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 | 160 kA  |
| Protection mode(s)   |                 | L/PE and N/PE   |
| Protection level N/PE @ $I_n$ (8/20 $\mu\text{s}$ )  | Up N/PE         | 1.8 kV  |
| Protection level L/PE @ $I_n$ (8/20 $\mu\text{s}$ )  | Up L/PE         | 1.8 kV  |
| Admissible short-circuit current   | Iscsr           | 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-40-440  |
| 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   |                 | 0.275 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  |                 |   |
| 821510422  |                 |   |

