



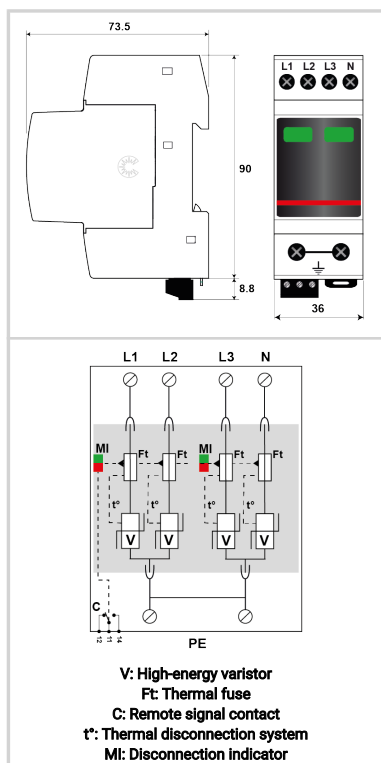
# CITEL



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

### DAC40CS-40-150

- › 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                                                                                                 | IEC             | 2                                                                                                                                 |
| Network                                                                                                  |                 | 120/208 V                                                                                                                         |
| AC system                                                                                                |                 | TN                                                                                                                                |
| Max. AC operating voltage                                                                                | $U_c$           | 150 Vac                                                                                                                           |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT              | 180 Vac withstand                                                                                                                 |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT              | 230 Vac disconnection                                                                                                             |
| Residual Current Leakage current to Ground                                                               | $I_{pe}$        | < 1 mA                                                                                                                            |
| Follow current                                                                                           | $I_f$           | None                                                                                                                              |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | $I_n$           | 20 kA                                                                                                                             |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | $I_{max}$       | 40 kA                                                                                                                             |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | $I_{max}$ Total | 160 kA                                                                                                                            |
| Protection mode(s)                                                                                       |                 | L/PE and N/PE                                                                                                                     |
| Protection level N/PE @ $I_n$ (8/20 $\mu$ s)                                                             | Up N/PE         | 0.9 kV                                                                                                                            |
| Protection level L/PE @ $I_n$ (8/20 $\mu$ s)                                                             | Up L/PE         | 1.2 kV                                                                                                                            |
| Admissible short-circuit current                                                                         | $I_{sc}$        | 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                                                                                    | $T_u$           | -40/+85°C                                                                                                                         |
| Protection rating                                                                                        |                 | IP20                                                                                                                              |
| Failsafe mode                                                                                            |                 | Disconnection from AC network                                                                                                     |
| Disconnection indicator                                                                                  |                 | 2 mechanical indicators - Red/Green                                                                                               |
| Spare module(s)                                                                                          |                 | MDAC40C-40-150                                                                                                                    |
| 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)                                                                                                       |
| 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                                                                                              |                 |                                                                                                                                   |
| 821510122                                                                                                |                 |                                                                                                                                   |

