



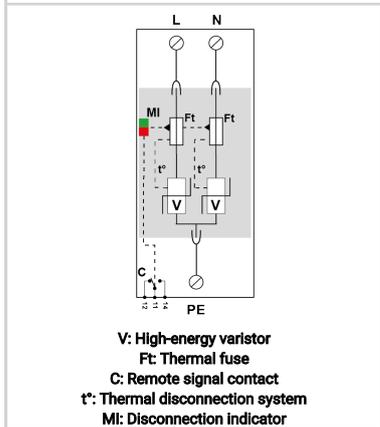
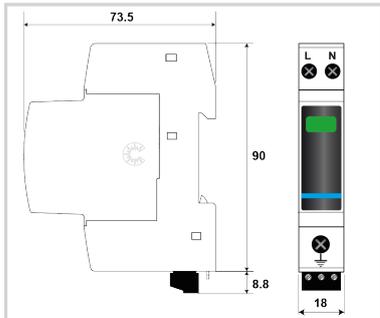
# CITEL

## Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

### DAC15CS-20-440



- ▶ Compact single-phase Type 2 (or 3) surge protector
- ▶ In : 5 kA
- ▶ I<sub>max</sub> : 15 kA
- ▶ Commun/Differential mode
- ▶ Pluggable module
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 certified
- ▶ UL1449 ed.5 compliance



| Electrical Characteristics   |                        |                       |
|--|------------------------|-----------------------|
| SPD type   | IEC                    | 2+3                   |
| Network  |                        | 230/400 V             |
| AC system  |                        | IT                    |
| Max. AC operating voltage  | U <sub>c</sub>         | 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   | 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>         | 5 kA                  |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 15 kA                 |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max</sub> Total | 30 kA                 |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | U <sub>oc</sub>        | 10 kV                 |
| Protection mode(s)   |                        | L/PE                  |
| Protection level N/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p</sub> N/PE    | 1.5 kV                |
| Protection level L/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p</sub> L/PE    | 1.5 kV                |
| Admissible short-circuit current   | I <sub>sc</sub>        | 10 000 A              |

| Mechanical Characteristics                |                |   |
|---|----------------|---|
| Technology                                |                | MOV   |
| SPD configuration                         |                | Single phase  |
| 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 <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)                           |                | MDAC15C-20-440  |
| 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 - 1 TE (EN43880)  |

| Disconnectors                     |  |  |
|-----------------------------------|--|--|
| Thermal disconnector              |  | Internal                               |
| Installation ground fault breaker |  | Type 'S' or delayed                    |
| Back-up protection device         |  | 20 A min. - 125 A max. - Fuses type gG |

| Standards            |  |  |
|----------------------|--|--|
| Standards compliance |  | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification        |  | KEMA                                     |

| Part number |  |  |
|-------------|--|--|
|             |  |  |



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