



# CITEL

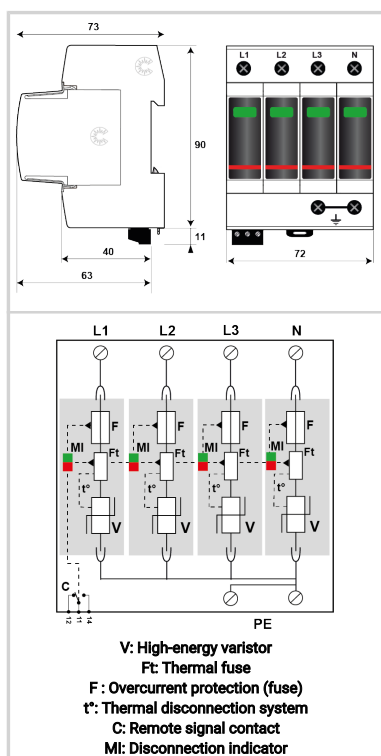
## Type 2 AC surge protector - 3-phase+N - Integrated fuses

### DACF25S-40-150



#### Type 2 AC surge protector

- In: 15 kA
- I<sub>max</sub>: 25 kA
- Internal Disconnection device
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics                                                                                         |                        |                                                                     |
|--------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------|
| SPD type                                                                                                           | IEC                    | 2                                                                   |
| Network                                                                                                            |                        | 120/208 V                                                           |
| AC system                                                                                                          |                        | TNS                                                                 |
| Max. AC operating voltage                                                                                          | U <sub>c</sub>         | 150 Vac                                                             |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT                     | 180 Vac withstand                                                   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT                     | 230 Vac disconnection                                               |
| Residual Current<br><i>Leakage current to Ground</i>                                                               | I <sub>pe</sub>        | < 1 mA                                                              |
| Follow current                                                                                                     | I <sub>f</sub>         | None                                                                |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>                                                          | I <sub>n</sub>         | 15 kA                                                               |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>                                                  | I <sub>max</sub>       | 25 kA                                                               |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i>                                           | I <sub>max</sub> Total | 100 kA                                                              |
| Connection mode(s)                                                                                                 |                        | L/PE and N/PE                                                       |
| Protection level N/PE<br><i>@ I<sub>n</sub> (8/20 μs)</i>                                                          | Up N/PE                | 0.9 kV                                                              |
| Protection level L/PE<br><i>@ I<sub>n</sub> (8/20 μs)</i>                                                          | Up L/PE                | 1.2 kV                                                              |
| Protection level N/PE at 5 kA<br><i>@ 5 kA (8/20 μs)</i>                                                           | Up-5kA                 | 0.6 kV                                                              |
| Residual voltage L/PE at 5 kA<br><i>@ 5 kA (8/20 μs)</i>                                                           | Up-5kA                 | 0.6 kV                                                              |
| Admissible short-circuit current                                                                                   | I <sub>sc</sub>        | 100 000 A                                                           |
| Mechanical Characteristics                                                                                         |                        |                                                                     |
| Technology                                                                                                         |                        | MOV                                                                 |
| SPD configuration                                                                                                  |                        | 3-phase+Neutral                                                     |
| Connection to Network                                                                                              |                        | By screw terminals: 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 by pole - Red/Green                          |
| Spare module(s)                                                                                                    |                        | MDACF25-440                                                         |
| 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 - 4TE (EN43880)                                         |
| Disconnectors                                                                                                      |                        |                                                                     |
| Thermal disconnector                                                                                               |                        | Internal                                                            |
| Installation ground fault breaker                                                                                  |                        | Type 'S' or delayed                                                 |
| Back-up protection device                                                                                          |                        | internal (equivalent AC rating : 40 A, gG Type)                     |
| Standards                                                                                                          |                        |                                                                     |
| Standards compliance                                                                                               |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                            |
| Part number                                                                                                        |                        |                                                                     |
| 821410124                                                                                                          |                        |                                                                     |

