



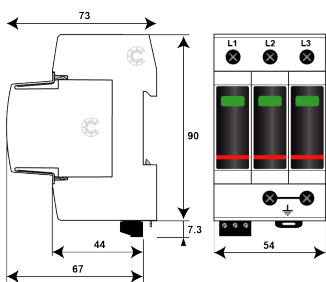
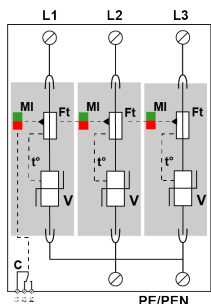
# CITEL



## Type 2 AC surge protector - Re-inforced - pluggable

### DAC80S-30-440

- Re-inforced Type 2 AC surge protector
- In: 40 kA
- I<sub>max</sub>: 80 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



V: High-energy varistor  
Ft: Thermal fuse  
C: Remote signal contact  
\*: Thermal disconnection system  
MI: Disconnection indicator

| Electrical Characteristics                                                                               |                  |                                                                     |
|----------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------|
| SPD type                                                                                                 | IEC              | 2                                                                   |
| Network                                                                                                  |                  | 230/400V                                                            |
| 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<br>Leakage current to Ground                                                            | I <sub>pe</sub>  | < 1 mA                                                              |
| Follow current                                                                                           | I <sub>f</sub>   | None                                                                |
| Nominal discharge current<br>15 x 8/20 μs impulses                                                       | I <sub>n</sub>   | 40 kA                                                               |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                                               | I <sub>max</sub> | 80 kA                                                               |
| Protection mode(s)                                                                                       |                  | L/PE                                                                |
| Protection level L/PE<br>@ I <sub>n</sub> (8/20 μs)                                                      | Up L/PE          | 2 kV                                                                |
| Admissible short-circuit current                                                                         | I <sub>sc</sub>  | 50 000 A                                                            |
| Mechanical Characteristics                                                                               |                  |                                                                     |
| Technology                                                                                               |                  | MOV                                                                 |
| 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)                                                                                          |                  | MDAC80-440                                                          |
| Remote signaling of disconnection                                                                        |                  | Output on changeover contact                                        |
| Max. Voltage/Current for remote signaling                                                                |                  | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)                                |
| Dimensions                                                                                               |                  | See diagram - 3 TE (EN43880)                                        |
| Disconnectors                                                                                            |                  |                                                                     |
| Thermal disconnector                                                                                     |                  | Internal                                                            |
| Installation ground fault breaker                                                                        |                  | Type 'S' or delayed                                                 |
| Back-up protection device                                                                                |                  | Fuses Type gG - 125 A                                               |
| Standards                                                                                                |                  |                                                                     |
| Standards compliance                                                                                     |                  | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                            |
| Certification                                                                                            |                  | KEMA                                                                |
| Part number                                                                                              |                  |                                                                     |
| 821210423                                                                                                |                  |                                                                     |

