



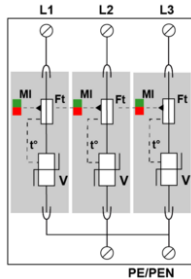
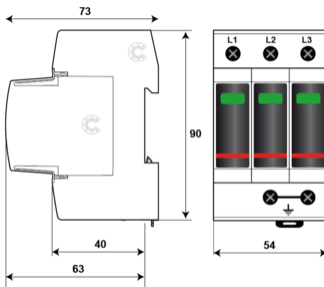
## Type 2 AC surge protector - 3-phase

# CITEL

## DAC50-30-440



- › Type 2 AC surge protector
- › In: 20 kA
- › Imax: 50 kA
- › Pluggable module for each phase
- › Remote signaling option
- › EN 61643-11, IEC 61643-11 and UL1449 ed.5 certified



V: High-energy varistor  
 Ft: Thermal fuse  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

### Electrical Characteristics

|  |                   |                       |
|--|-------------------|-----------------------|
| SPD type   | 2                 |                       |
| Network  | 230/400 V 3-phase |                       |
| 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 $\mu$ s impulses   | In                | 20 kA                 |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole   | Imax              | 50 kA                 |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | Imax Total        | 150 kA                |
| Protection mode(s)   | L/PE              |                       |
| Protection level L/PE @ In (8/20 $\mu$ s)  | Up L/PE           | 2 kV                  |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20 $\mu$ s)  | Up-5kA            | 1.5 kV                |
| Admissible short-circuit current   | Iscsr             | 50 000 A              |

### Mechanical Characteristics

|                                   |   |           |
|-----------------------------------|---|-----------|
| Technology                        | MOV   |           |
| SPD configuration                 | 3-phase   |           |
| 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             | Tu  | -40/+85°C |
| Protection rating                 | IP20  |           |
| Failsafe mode                     | Disconnection from AC network                                       |           |
| Disconnection indicator           | 1 mechanical indicator by pole - Red/Green                          |           |
| Spare module(s)                   | MDAC50-440  |           |
| Remote signaling of disconnection | option DAC50S-30-440 : output on changeover contact                 |           |
| Dimensions                        | See diagram - 3 TE (EN43880)  |           |
| Weight                            | 0.316 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        | ÖVE / UL                                 |  |

### Part number

821110413

