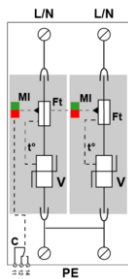
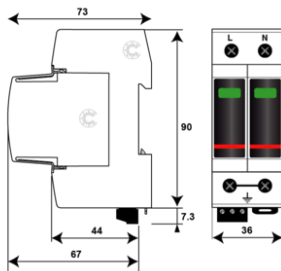


## DAC50S-20-150



- Type 2 AC surge protector
- In: 20 kA
- I<sub>max</sub>: 50 kA
- Pluggable module for each phase
- Remote signaling
- UL1449 ed.5 certified
- EN 61643-11, IEC 61643-11 compliance



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

### Electrical Characteristics

|                                                                                                          |                               |
|----------------------------------------------------------------------------------------------------------|-------------------------------|
| SPD type                                                                                                 | 2                             |
| Network                                                                                                  | 120 V single-phase            |
| AC system                                                                                                | TN                            |
| Max. AC operating voltage                                                                                | U <sub>c</sub> 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 <sub>pe</sub> < 1 mA        |
| Follow current                                                                                           | I <sub>f</sub> None           |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | I <sub>n</sub> 20 kA          |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | I <sub>max</sub> 50 kA        |
| Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s                                      | I <sub>max</sub> Total 100 kA |
| Protection mode(s)                                                                                       | L/PE and N/PE                 |
| Protection level N/PE @ I <sub>n</sub> (8/20 $\mu$ s)                                                    | U <sub>p</sub> N/PE 0.9 kV    |
| Protection level L/PE @ I <sub>n</sub> (8/20 $\mu$ s)                                                    | U <sub>p</sub> L/PE 1.2 kV    |
| Admissible short-circuit current                                                                         | I <sub>scsr</sub> 50 000 A    |

### Mechanical Characteristics

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| Technology                                | MOV                                        |
| SPD configuration                         | Single phase                               |
| Connection to Network                     | By screw terminals: 2.5-25mm <sup>2</sup>  |
| 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)                           | MDAC50-150                                 |
| 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)                |
| Weight                                    | 0.192 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

821110122