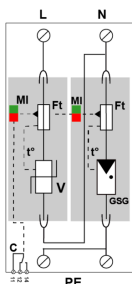
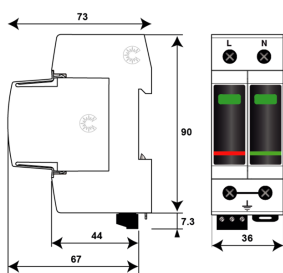




- Re-inforced Type 2 AC surge protector
- In: 40 kA
- I<sub>max</sub>: 80 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



V: High-energy varistor  
GSG: Specific gas tube  
Ft: Thermal fuse  
C: Remote signaling contact  
t\*: Thermal disconnection system  
MI: Disconnection indicator

#### Electrical Characteristics

|                                                                                                          |                   |                       |
|----------------------------------------------------------------------------------------------------------|-------------------|-----------------------|
| SPD type                                                                                                 | IEC               | 2                     |
| Network                                                                                                  |                   | 120 V single-phase    |
| AC system                                                                                                |                   | TT-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 μs impulses                                                          | I <sub>n</sub>    | 40 kA                 |
| Max. discharge current max. withstand @ 8/20 μs by pole                                                  | I <sub>max</sub>  | 80 kA                 |
| Protection mode(s)                                                                                       |                   | L/N and N/PE          |
| Protection level L/N @ In (8/20μs)                                                                       | Up L/N            | 1.2 kV                |
| Protection level N/PE @ In (8/20μs)                                                                      | Up N/PE           | 1.5 kV                |
| Admissible short-circuit current                                                                         | I <sub>scsr</sub> | 50 000 A              |

#### Mechanical Characteristics

|                                           |                |                                                                     |
|-------------------------------------------|----------------|---------------------------------------------------------------------|
| Technology                                |                | MOV+GDT                                                             |
| 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)                           |                | MDAC80-150                                                          |
| 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 - 2TE (EN43880)                                         |
| Weight                                    |                | 0.203 kg                                                            |

#### 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

821210142