

## DACN10-20-275



- Cost effective single-phase surge protector
- Type 2 or 3 monobloc compact
- In/Imax: 5 kA/10 kA
- Max. load current: 25A
- 2-port configuration (series mounting)
- Remote signaling (option)
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



V: Varistor  
Ft: Thermal fuse  
LED: Disconnection indicator  
t\*: Thermal disconnection system

#### Electrical Characteristics

|                                                                                                          |                                             |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| SPD type                                                                                                 | 2 (or 3)                                    |
| Network                                                                                                  | 230 V single-phase                          |
| AC system                                                                                                | TN                                          |
| Max. AC operating voltage                                                                                | Uc 275 Vac                                  |
| Max. load current                                                                                        | IL 25 A                                     |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT 335 Vac withstand                        |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 440 Vac disconnection                    |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT 1200 V/300A/200 ms breaker disconnection |
| Residual Current Leakage current to Ground                                                               | Ipe None                                    |
| Nominal discharge current 15 x 8/20 µs impulses                                                          | In 5 kA                                     |
| Max. discharge current max. withstand @ 8/20 µs by pole                                                  | Imax 10 kA                                  |
| Total Maximum discharge current max. total withstand @ 8/20 µs                                           | Imax Total 20 kA                            |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs                         | Uoc 10 kV                                   |
| Protection level N/PE @ In (8/20µs)                                                                      | Up N/PE 1.1 kV                              |
| Protection level L/PE @ In (8/20µs)                                                                      | Up L/PE 1.1 kV                              |
| Admissible short-circuit current                                                                         | Iscrr 10 000 A                              |

#### Mechanical Characteristics

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| SPD configuration                 | Single phase                              |
| Connection to Network             | By screw terminals: 1.5-10mm <sup>2</sup> |
| 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           | Green LED OFF                             |
| Remote signaling of disconnection | option DACN10S-20-275                     |
| Dimensions                        | See diagram - 1TE (EN43880)               |
| Weight                            | 0.090 kg                                  |

#### Disconnectors

|                                   |                     |
|-----------------------------------|---------------------|
| Thermal disconnector              | Internal            |
| Installation ground fault breaker | Type 'S' or delayed |
| Fuses                             | Fuses type gG - 25A |

#### Standards

|                      |                                          |
|----------------------|------------------------------------------|
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
|----------------------|------------------------------------------|

#### Part number

70113021