



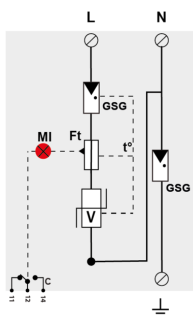
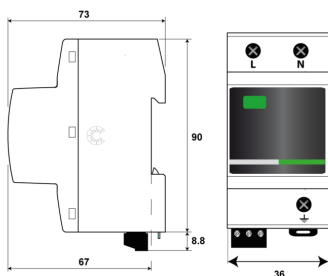
# CITEL



## Type 1+2+3 AC surge protector - Single phase

### DACN1-25CVGS-11-275

- Type 1 + 2+3 AC surge protector
- VG Technology
- Iimp: 25 kA on 10/350µs impulse
- In: 25 kA
- Optimized to TOV
- No leakage current
- Monobloc
- Remote signaling
- EN 61643-11, IEC 61643-11 Certified



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     | 1+2+3                        |
| Network                                                                                                  |         | 230 V single-phase           |
| AC system                                                                                                |         | TT-TNS                       |
| Max. AC operating voltage                                                                                | Uc      | 275 Vac                      |
| 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 withstand            |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT      | 1200 V/300A/200 ms withstand |
| Residual Current Leakage current to Ground                                                               | Ipe     | None                         |
| Follow current                                                                                           | If      | None                         |
| Nominal discharge current 15 x 8/20 µs impulses                                                          | In      | 25 kA                        |
| Max. discharge current max. withstand @ 8/20 µs by pole                                                  | Imax    | 100 kA                       |
| Impulse current by pole max. withstand 10/350µs by pole                                                  | Iimp    | 25 kA                        |
| Total lightning current max. total withstand @ 10/350µs                                                  | Itotal  | 50 kA                        |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs                         | Uoc     | 6 kV                         |
| Protection level L/N @ In (8/20µs)                                                                       | Up L/N  | 1.5 kV                       |
| Protection level N/PE @ In (8/20µs)                                                                      | Up N/PE | 1.5 kV                       |
| Admissible short-circuit current                                                                         | Iscrr   | 50 000 A                     |

#### Mechanical Characteristics

|                                           |    |                                                                     |
|-------------------------------------------|----|---------------------------------------------------------------------|
| Technology                                |    | VG Technology (MOV+GSG)                                             |
| SPD configuration                         |    | Single phase                                                        |
| Connection to Network                     |    | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid) |
| Format                                    |    | Monobloc 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 - Red/Green                                  |
| 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)                                |
| Weight                                    |    | 0.285 kg                                                            |

#### Disconnectors

|                                   |  |                                          |
|-----------------------------------|--|------------------------------------------|
| Thermal disconnector              |  | Internal                                 |
| Installation ground fault breaker |  | Type 'S' or delayed                      |
| Back-up protection device         |  | 315 A max. - Fuses Type gG / or SFD1-25S |

#### Standards

|                      |  |                            |
|----------------------|--|----------------------------|
| Standards compliance |  | EN 61643-11 / IEC 61643-11 |
| Certification        |  | KEMA                       |

#### Part number

64176

