



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

CITEL

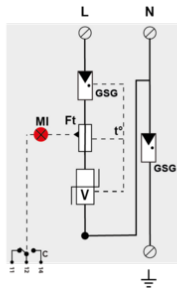
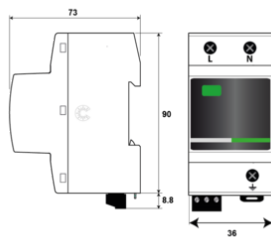
DACN1-25CVGS-11-150



- 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 complied



| Electrical Characteristics | |
|--|---|
| SPD type | 1+2+3 |
| Network | 120 V single-phase |
| AC system | TT-TN |
| Max. AC operating voltage | Uc 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 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 ² (35mm ² 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 ² 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 |
| Part number | |
| 64179 | |



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

