



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

CITEL

DACN1-25CVGS-31-150



- Type 1 + 2+3 AC surge protector
- VG Technology
- i_{imp} : 25 kA on 10/350 μ s impulse
- I_n : 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 | | 120/208 V 3-phase+N |
| AC system | | TT-TNS |
| Max. AC operating voltage | U_c | 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 | I_{pe} | None |
| Follow current | I_f | None |
| Nominal discharge current 15 x 8/20 μ s impulses | I_n | 25 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I_{max} | 100 kA |
| Impulse current by pole max. withstand 10/350 μ s by pole | i_{imp} | 25 kA |
| Total lightning current max. total withstand @ 10/350 μ s | I_{total} | 100 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s | U_{oc} | 6 kV |
| Protection level L/N @ I_n (8/20 μ s) | U_p L/N | ? kV |
| Protection level N/PE @ I_n (8/20 μ s) | U_p N/PE | ? kV |
| Admissible short-circuit current | I_{sc} | 50 000 A |

Mechanical Characteristics

| | | |
|---|-------|---|
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | 3-phase+Neutral |
| 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 | T_u | -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 | | 0.658 kg |

Disconnectors

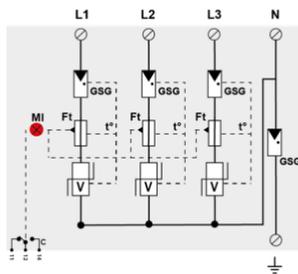
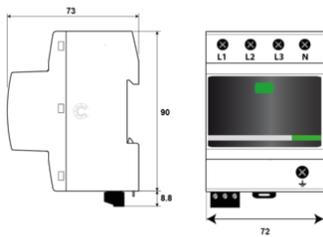
| | | |
|-----------------------------------|--|--|
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 315 A max. - Fuses Type gG / or SFD1-25S |

Standards

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

Part number

| | | |
|-------------|--|-------|
| Part number | | 64152 |
|-------------|--|-------|



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

