



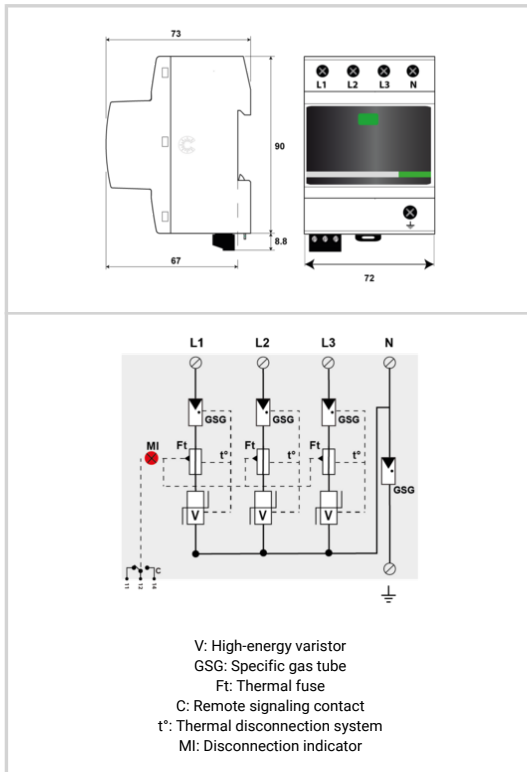
Type 1+2+3 AC surge protector - 3-phase+N

CITEL

DACN1-25CVGS-31-385



- 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 | IEC | | 1+2+3 |
| Network | | | 230/400 V 3-phase+N |
| AC system | | | TT-TNS |
| Max. AC operating voltage | Uc | | 385 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | | 500 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | | 650 Vac disconnection |
| 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 μ s impulses | In | | 25 kA |
| Nominal discharge current N/PE 15 x 8/20 μ s impulses | In N/PE | | 100 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I _{max} | | 100 kA |
| Max. discharge current N/PE max. withstand @ 8/20 μ s by pole | I _{max N/PE} | | 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 | Uoc | | 6 kV |
| Protection level L/N @ In (8/20 μ s) | Up L/N | | 1.5 kV |
| Protection level N/PE @ In (8/20 μ s) | Up N/PE | | 1.5 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 | 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 | | | 0.658 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 | | | |
| 64162 | | | |

