



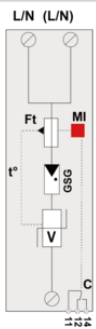
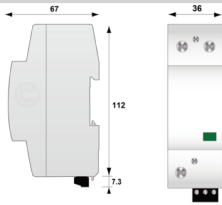
## Type 1+2+3 AC surge protector

# CITEL

## DACN1-25VGS-10-760



- Type 1 + 2+3 AC surge protector
- VG Technology
- In: 35 kA
- Iimp: 25 kA on 10/350µs impulse
- No leakage current
- Unpluggable module for each phase
- Remote signaling
- Optimized to TOV
- EN 61643-11, IEC 61643-11 complied



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   | 1+2+3   |
| Max. AC operating voltage  | Uc 760 Vac  |
| Max. load current @25°C  | IL 100 A  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT 1000 Vac withstand   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 1325 Vac disconnection   |
| Residual Current Leakage current to Ground   | Ipe None  |
| Follow current   | If None   |
| Nominal discharge current 15 x 8/20 µs impulses  | In 35 kA  |
| Max. discharge current max. withstand @ 8/20 µs by pole  | I <sub>max</sub> 70 kA  |
| Impulse current by pole max. withstand 10/350µs by pole  | I <sub>imp</sub> 25 kA  |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs                         | Uoc 6 kV  |
| Specific energy by pole max. withstand 10/350 µs   | W/R 156 kJ/ohm  |
| Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)  | Up 2.5 kV   |
| Protection level L/PE @ In (8/20µs)  | Up L/PE 2.5 kV  |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20µs)  | Up-5kA 1.6 kV   |
| Admissible short-circuit current   | Iscrc 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   | 1-pole 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 by pole - 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)                                |
| Dimensions   | See diagram - 2TE (EN43880)   |
| Weight   | 0.472 kg  |
| Disconnectors  |   |
| Thermal disconnector   | Internal  |
| Installation ground fault breaker  | Type 'S' or delayed   |
| Back-up protection device  | Fuses type gG - 315 A   |
| Standards  |   |
| Standards compliance   | EN 61643-11 / IEC 61643-11  |
| Certification  | TUV   |
| Part number  |   |
| 29221012   |   |

