



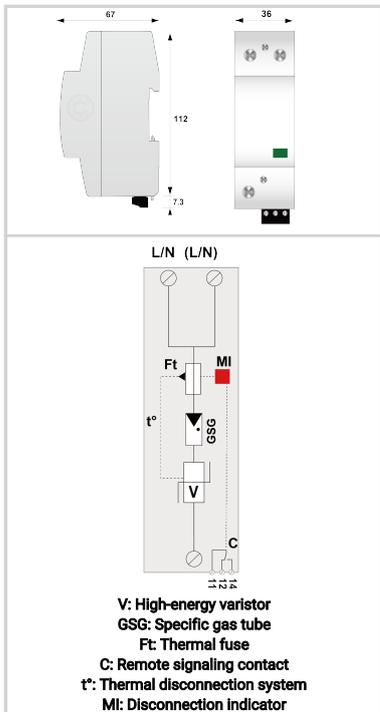
# CITEL

## Type 1+2+3 AC surge protector - Unipolar

### DACN1-25VGS-10-440



- Type 1 + 2+3 AC surge protector
- VG Technology
- In: 25 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



| Electrical Characteristics   |                        |   |
|--|------------------------|---|
| SPD type   | IEC                    | 1+2+3   |
| AC system  |                        | TN  |
| Max. AC operating voltage  | Uc                     | 440 Vac   |
| Max. load current @25°C  | IL                     | 100 A   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                     | 580 Vac withstand                                   |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                     | 770 Vac disconnection                               |
| 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  | I <sub>max</sub>       | 70 kA   |
| Total Maximum discharge current max. total withstand @ 8/20 µs   | I <sub>max</sub> Total | 140 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                     | 1.5 kV  |
| Admissible short-circuit current   | I <sub>sc</sub>        | 50 000 A  |
| Mechanical Characteristics   |                        |   |
| Technology   |                        | VG Technology (MOV+GSG)                             |
| SPD configuration  |                        | Single phase  |
| Connection to Network  |                        | By screw terminals: 6-35mm <sup>2</sup> / by bus    |
| 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 - 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   |                        | 0.408 kg  |
| Disconnectors  |                        |   |
| Thermal disconnector   |                        | Internal  |
| Installation ground fault breaker  |                        | Type 'S' or delayed                                 |
| Back-up protection device  |                        | Fuse assembly: SFD1-25S-10 / or Fuses Type gG 315 A |
| Standards  |                        |   |
| Standards compliance   |                        | EN 61643-11 / IEC 61643-11                          |
| Part number  |                        |   |
| <b>29221022</b>  |                        |   |

