



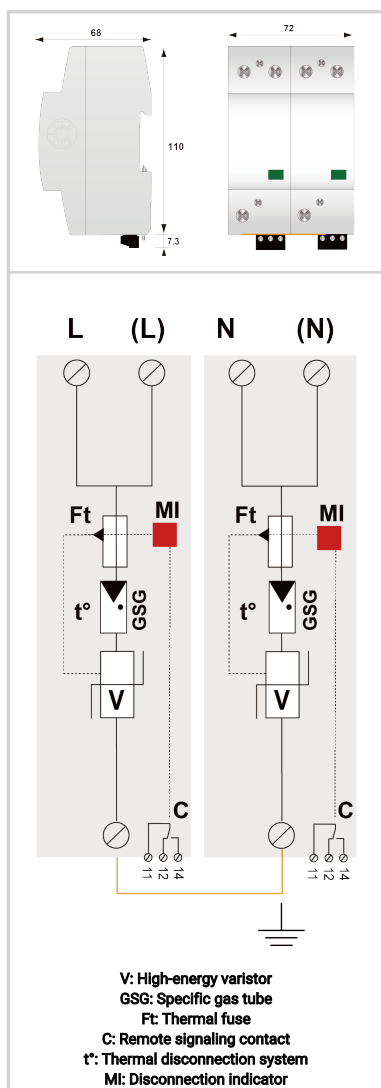
# CITEL



## Type 2+3 AC surge protector -2-pole - Monobloc

### DACN30VGS-20-1260

- Type 2 + 3 AC surge protector
- VG Technology
- In: 15 kA
- No leakage current
- Monobloc module for each phase
- Remote signaling
- Optimized to TOV
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics                                                                                         |                                             |                        |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------|
| SPD type                                                                                                           | IEC                                         | 2+3                    |
| Nominal line voltage                                                                                               | Un                                          | 1140 Vac               |
| Max. AC operating voltage                                                                                          | Uc                                          | 1260 Vac               |
| Max. load current @25°C                                                                                            | IL                                          | 100 A                  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT                                          | 1650 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT                                          | 2200 Vac disconnection |
| Residual Current<br><i>Leakage current to Ground</i>                                                               | Ipe                                         | None                   |
| Follow current                                                                                                     | If                                          | None                   |
| Nominal discharge current<br><i>15 x 8/20 µs impulses</i>                                                          | In                                          | 15 kA                  |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i>                                                  | Imax                                        | 30 kA                  |
| Withstand on Combination waveform IEC 61643-11<br><i>Class III test: 1.2/50µs - 8/20µs</i>                         | Uoc                                         | 6 kV                   |
| Protection level<br><i>@ In (8/20µs)</i>                                                                           | Up                                          | 4.0 kV                 |
| Protection level<br><i>@ In (8/20µs) and @ 6 kV (1,2/50 µs)</i>                                                    | Up                                          | 5.0 kV                 |
| Residual voltage at 5 kA<br><i>@ 5 kA (8/20µs)</i>                                                                 | Up-5kA                                      | 3.2 kV                 |
| Admissible short-circuit current                                                                                   | Iscrr                                       | 25 000 A               |
| Mechanical Characteristics                                                                                         |                                             |                        |
| Technology                                                                                                         | VG Technology (MOV+GSG)                     |                        |
| SPD configuration                                                                                                  | Single phase                                |                        |
| Connection to Network                                                                                              | By screw terminals: 2.5-25mm² (35mm² 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 mm² max.                                |                        |
| Max. Voltage/Current for remote signaling                                                                          | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)        |                        |
| Dimensions                                                                                                         | See diagram - 4TE (EN43880)                 |                        |
| Weight                                                                                                             | 0.504 kg                                    |                        |
| Disconnectors                                                                                                      |                                             |                        |
| Thermal disconnector                                                                                               | Internal                                    |                        |
| Installation ground fault breaker                                                                                  | Type 'S' or delayed                         |                        |
| Back-up protection device                                                                                          | Fuses type gG - 50 A                        |                        |
| Standards                                                                                                          |                                             |                        |
| Standards compliance                                                                                               | IEC 61643-11 / EN 61643-11 / UL1449 ed.5    |                        |
| Part number                                                                                                        |                                             |                        |
| 29422032                                                                                                           |                                             |                        |

