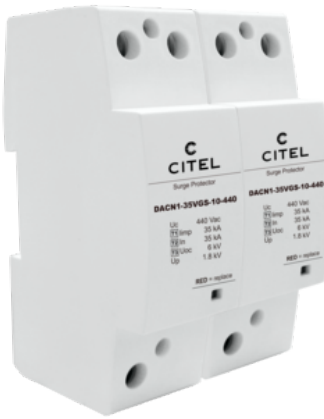
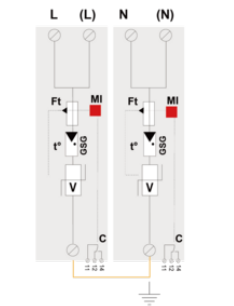
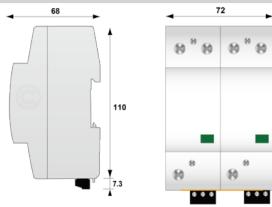


## DACN1-35VGS-20-440



- Type 1+2+3 AC surge protector
- VG Technology
- In: 35 kA
- Iimp: 35 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    | 440 Vac                                                             |
| Max. load current                                                                                        | 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                                                                                         | Ipe   | None                                                                |
| Leakage current to Ground                                                                                |       |                                                                     |
| 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                                                  | Imax  | 70 kA                                                               |
| Impulse current by pole max. withstand 10/350µs by pole                                                  | Iimp  | 35 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   | 306 kJ/o                                                            |
| Protection level @ In (8/20µs) and @ 6 kV (1.2/50 µs)                                                    | Up    | 1.8 kV                                                              |
| Admissible short-circuit current                                                                         | Iscrr | 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 assembled                                        |
| 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 - 4TE (EN43880)                                         |
| Weight                                                                                                   |       | 0.836 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                                                                                            |       |                                                                     |
| Part number                                                                                              |       |                                                                     |
| 29322022                                                                                                 |       |                                                                     |