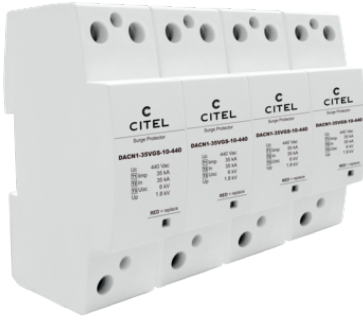




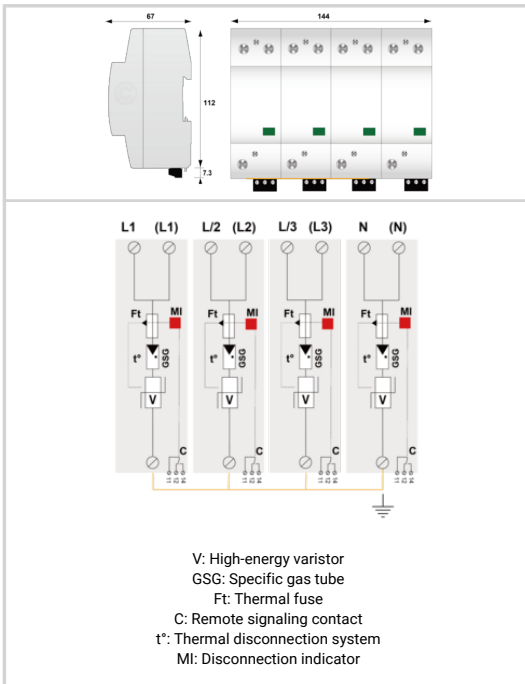
## Type 1+2+3 AC surge protector - 3-phase+N

# CITEL

## DACN1-35VGS-40-440



- 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



| Electrical Characteristics  |   |
|---|---|
| SPD type  | 1+2+3   |
| Max. AC operating voltage   | Uc 440 Vac  |
| Max. load current<br>@25°C  | IL 100 A  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>Without disconnection                              | UT 580 Vac withstand  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>Without disconnection or with safety disconnection | UT 770 Vac disconnection  |
| Residual Current<br>Leakage current to Ground   | Ipe None  |
| Follow current  | If None   |
| Nominal discharge current<br>15 x 8/20 µs impulses  | In 35 kA  |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole  | I <sub>max</sub> 70 kA  |
| Impulse current by pole<br>max. withstand 10/350µs by pole  | I <sub>imp</sub> 35 kA  |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50µs - 8/20µs                         | Uoc 6 kV  |
| Specific energy by pole<br>max. withstand 10/350 µs   | W/R 306 kJ/o  |
| Protection level<br>@ In (8/20µs) and @ 6 kV (1,2/50 µs)  | Up 1.8 kV   |
| Admissible short-circuit current  | I <sub>sc</sub> 50 000 A  |
| Mechanical Characteristics  |   |
| Technology  | VG Technology (MOV+GSG)   |
| SPD configuration   | 3-phase+Neutral   |
| 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 - 8TE (EN43880)   |
| Weight  | 1.652 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   |   |
| 29324022  |   |

