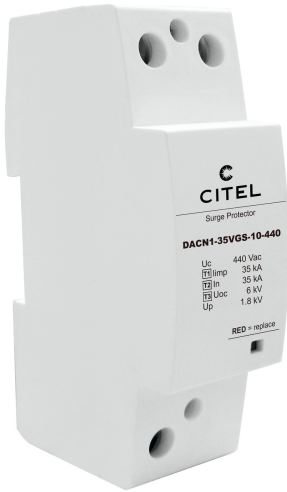




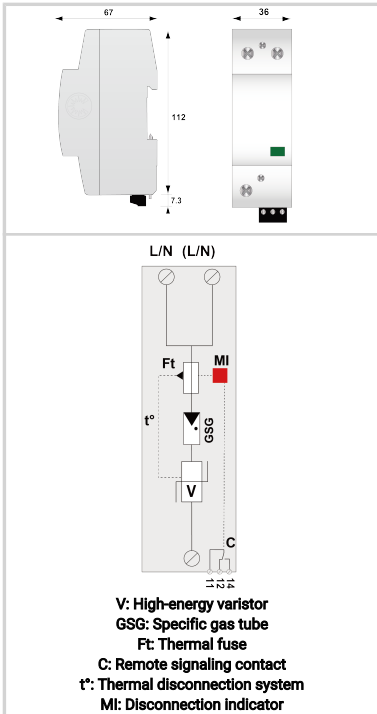
# CITEL



## Type 1+2 AC surge protector - 1-pole

### DACN1-35VGS-10-440

- › Type 1+2+3 Single phase 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   | IEC              | 1+2+3  |
| 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               | 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> | 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   | 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 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)                      |
| Disconnectors  |                  |  |
| Thermal disconnector   |                  | Internal   |
| Installation ground fault breaker  |                  | Type 'S' or delayed                              |
| Back-up protection device  |                  | Fuses type gG - 400 A                            |
| Standards  |                  |  |
| Standards compliance   |                  | EN 61643-11 / IEC 61643-11                       |
| Certification  |                  |  |
| Part number  |                  |  |
| <b>29321022</b>  |                  |  |

