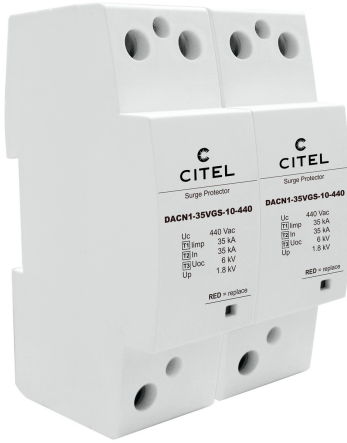




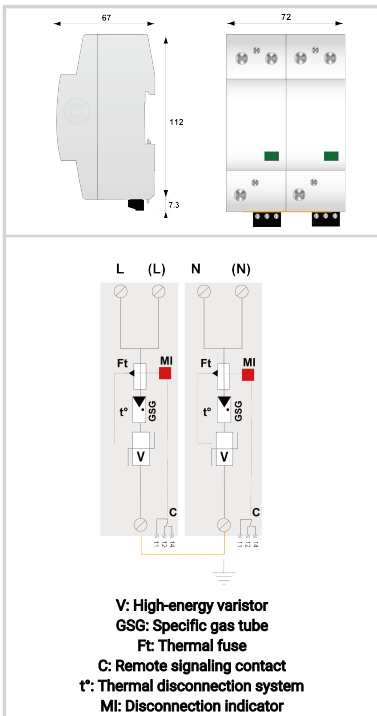
CITEL

Type 1+2+3 AC surge protector - Single phase

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



| Electrical Characteristics | | |
|--|-------------------|--|
| SPD type | IEC | 1+2+3 |
| AC system | | IT-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 | 35 kA |
| Max. discharge current max. withstand @ 8/20 µs by pole | I _{max} | 70 kA |
| Impulse current by pole max. withstand 10/350µs by pole | I _{imp} | 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 | Isc _{cr} | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | Single phase |
| Connection to Network | | By screw terminals: 6-35mm ² / by bus |
| 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 ² max. |
| Max. Voltage/Current for remote signaling | | 250 V / 0.5 A (AC) / 30 V / 3 A (DC) |
| Dimensions | | See diagram - 4TE (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 | | |
| 29322022 | | |

