



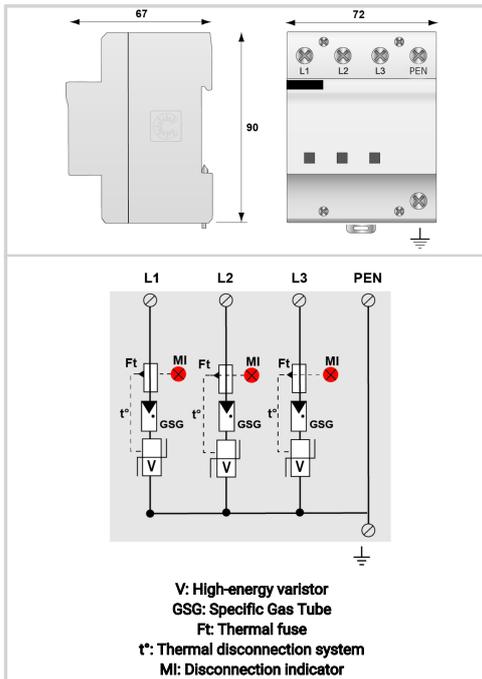
CITEL

Type 1+2 AC surge protector - 3-phase

DUT250VG-300/TNC



- Type 1+2+3, 3-phase surge protector
- Common and differential mode
- Very compact monobloc enclosure
- Iimp by pole/total : 25kA
- Internal disconnection, status indicator
- Optimized to TOV
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|--------------------|---|
| SPD type | IEC | 1+2+3 |
| Network | | 230/400 V 3-phase |
| AC system | | TNC |
| Nominal line voltage | Un | 230/400 Vac |
| Max. AC operating voltage | Uc | 255 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT | 440 Vac withstand |
| Residual Current Leakage current to Ground | Ipe | None |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 40 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 100 kA |
| Impulse current by pole max. withstand 10/350 μs by pole | I _{imp} | 25 kA |
| Total lightning current max. total withstand @ 10/350 μs | I _{total} | 75 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μs - 8/20 μs | Uoc | 6 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 20 kV |
| Specific energy by pole max. withstand 10/350 μs | W/R | 156 kJ/ohm |
| Connection mode(s) | | L/PEN |
| Protection mode(s) | | Common mode |
| Protection level L/PE @ In (8/20 μs) | Up L/PE | 1.5 kV |
| Admissible short-circuit current | I _{sc} | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | 3-phase |
| Connection to Network | | By screw terminals: 6-35mm ² / by bus |
| Format | | Multipolar modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Disconnection indicator | | 3 mechanical indicators by pole |
| Remote signaling of disconnection | | none |
| Dimensions | | See diagram |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuse assembly: SFD1-25-30S / or Fuses Type gG 315 A |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | |
| Part number | | |
| 3588 | | |

