



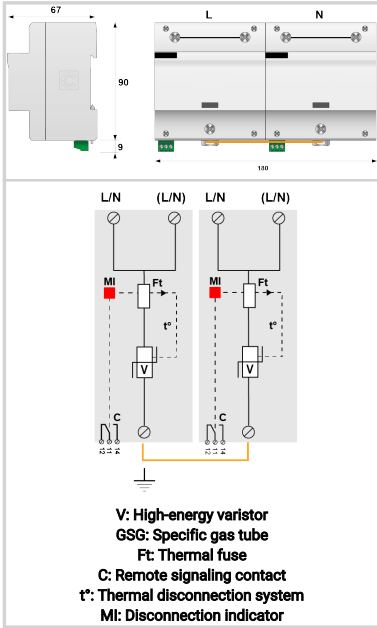
CITEL

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

DS252VG-1000



- Type 1+2 surge protector
- In : 30 kA
- Iimp : 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed4 compliance



| Electrical Characteristics | | |
|--|------------------------|--|
| SPD type | IEC | 1+2+3 |
| Network | | 1000 V 3-phase |
| AC system | | TN |
| Nominal line voltage | Un | 900 V |
| Max. AC operating voltage | Uc | 1000 Vac |
| Max. load current @25°C | IL | 100 A |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT | 1320 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT | 1732 Vac withstand |
| Residual Current <i>Leakage current to Ground</i> | Ipe | None |
| Follow current | If | None |
| Nominal discharge current <i>15 x 8/20 µs impulses</i> | In | 30 kA |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i> | I _{max} | 60 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i> | I _{max} Total | 160 kA |
| Impulse current by pole <i>max. withstand 10/350µs by pole</i> | I _{imp} | 25 kA |
| Total lightning current <i>max. total withstand @ 10/350µs</i> | I _{total} | 50 kA |
| Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i> | Uoc | 6 kV |
| Specific energy by pole <i>max. withstand 10/350 µs</i> | W/R | 156 kJ/ohm |
| Protection level <i>@ In (8/20µs)</i> | Up | 4.0 kV |
| Residual voltage at 5 kA <i>@ 5 kA (8/20µs)</i> | Up-5kA | 2.6 kV |
| Admissible short-circuit current | I _{sc} | 50 000 A |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| SPD configuration | | Single phase |
| Connection to Network | | By screw: 6-35mm ² (50mm ² flexible) |
| 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 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram - 10TE, DIN 43880 |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuses type gG - 315 A |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Part number | | |
| 64014 | | |

