



CITEL

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

DS254VG-300/DE



- Type 1+2+3 unipolar surge protector
- 25 kA on 10/350µs impulse
- Low voltage Up
- Internal disconnection, status indicator and remote signaling
- Optimized to TOV
- IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics | | |
|---|---|------------------------------|
| SPD type | IEC | 1+2+3 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TT-TNS |
| Nominal line voltage | Un | 230/400 Vac |
| Max. AC operating voltage | Uc | 255 Vac |
| Max. load current if series connection | IL | 100 A |
| 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 |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection | UT | 1200 V/300A/200 ms withstand |
| Residual Current Leakage current to Ground | Ipe | None |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 µs impulses | In | 30 kA |
| Max. discharge current max. withstand @ 8/20 µs by pole | Imax | 70 kA |
| Impulse current by pole max. withstand 10/350µs by pole | Imp | 25 kA |
| Total lightning current max. total withstand @ 10/350µs | Itotal | 100 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc | 20 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/N and N/PE |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage @ In (8/20 µs) | Up-in | 1.1 kV |
| Protection level L/N @ In (8/20µs) | Up L/N | 1.5 kV |
| Protection level L/PE @ In (8/20µs) | Up L/PE | 1.5 kV |
| Admissible short-circuit current | Isccr | 50 000 A |
| Mechanical Characteristics | | |
| Technology | VG Technology (MOV+GSG) | |
| SPD configuration | 3-phase+Neutral | |
| 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 | |
| Remote signaling of disconnection | Output on changeover contact | |
| Dimensions | See diagram | |
| Disconnectors | | |
| Thermal disconnector | Internal | |
| Installation ground fault breaker | Type 'S' or delayed | |
| Back-up protection device | Fuse assembly: SFD1-25-31S / or Fuses Type gG 315 A | |
| Standards | | |
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 | |
| Part number | | |
| 3304 | | |

