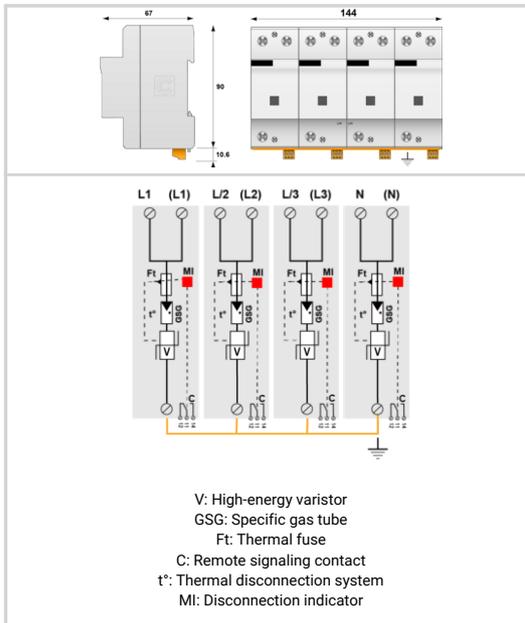


DS254VG-400



- 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 | 1+2+3 |
| Network | 230/400 V 3-phase+N |
| AC system | TNS-IT |
| Nominal line voltage | Un 400 Vac |
| Max. AC operating voltage | Uc 440 Vac |
| Max. load current if series connection | 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 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 | Iimp 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/PE and N/PE |
| Protection mode(s) | Common mode/Differential mode |
| Residual voltage @ In (8/20 µs) | Up-in 1.1 kV |
| Protection level N/PE @ In (8/20µs) | Up N/PE 1.5 kV |
| Protection level L/PE @ In (8/20µs) | Up L/PE 1.5 kV |
| Admissible short-circuit current | Iscrr 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 disconnecter | Internal |
| Installation ground fault breaker | Type 'S' or delayed |
| Fuses | Fuse assembly: SFD1-25-40S / or Fuses Type gG 315 A |
| Standards | |
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | UL Recognized |
| Part number | |
| 2581 | |