



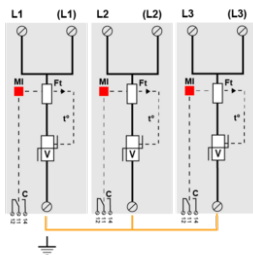
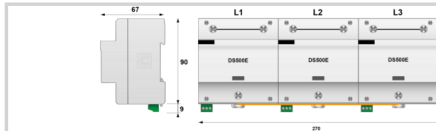
Type 1+2 AC surge protector 3-phase

CITEL

DS503E-320



- Type 1 + 2 unipolar surge protector
- Iimp total: 150 kA on 10/350µs impulse
- Imax : 200 kA on 8/20µs impulse
- Internal disconnections, status indicators
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

| Electrical Characteristics | |
|--|--|
| SPD type | 1+2 |
| Network | 230/400 V 3-phase |
| AC system | TNC |
| Nominal line voltage | Un 230 Vac |
| Max. AC operating voltage | Uc 320 Vac |
| Max. load current <i>if series connection</i> | IL 100 A |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT 440 Vac disconnection |
| Follow current | If None |
| Nominal discharge current <i>15 x 8/20 µs impulses</i> | In 50 kA |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i> | I _{max} 200 kA |
| Impulse current by pole <i>max. withstand 10/350µs by pole</i> | I _{imp} 50 kA |
| Total lightning current <i>max. total withstand @ 10/350µs</i> | I _{total} 150 kA |
| Specific energy by pole <i>max. withstand 10/350 µs</i> | W/R 156 kJ/ohm |
| Connection mode(s) | L/PE |
| Protection mode(s) | Common mode |
| Protection level L/PE <i>@ In (8/20µs)</i> | Up L/PE 1.8 kV |
| Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20µs)</i> | Up-5kA 1.2 kV |
| Admissible short-circuit current | I _{sc} 50 000 A |
| Mechanical Characteristics | |
| Technology | MOV |
| SPD configuration | 3-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 |
| Remote signaling of disconnection | Output on changeover contact |
| Dimensions | See diagram |
| Weight | 1.8 kg |
| Disconnectors | |
| Thermal disconnector | Internal |
| Installation ground fault breaker | Type 'S' or delayed |
| Back-up protection device | Fuses Type gG - 500 A |
| Standards | |
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | |
| Part number | |
| 64023 | |

