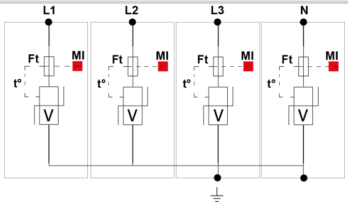
*Type 2 AC surge protector - 3-phase+N*

# DS44-320




- Type 2 AC Multipolar surge protector
- In : 20 kA
- Imax total : 160 kA
- Pluggable module for each phase
- Remote signaling option
- NF EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5




V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

| Electrical Characteristics | | |
|---|---|---|
| SPD type | | 2 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TNS |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 320 Vac |
| Temporary Over Voltage (TOV) Charasteristics - 5 sec.<br>*Without disconnection* | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Charasteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 440 Vac disconnection |
| Residual Current<br>*Leakage current to Ground* | Ipe | < 1 mA |
| Follow current | If | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 20 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 40 kA |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 160 kA |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode/Differential mode |
| Protection level<br>*@ In (8/20µs)* | Up | 1.5 kV |
| Admissible short-circuit current | Isccr | 25 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 2.5-25mm² / by bus |
| Format | | Plug-in 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 by pole |
| Spare module(s) | | DSM40-320 |
| Remote signaling of disconnection | | option DS44S-320 : output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.356 kg |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuses type gG - 50 A |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | UL |
| **Part number** | | |
| **461902** | | |