



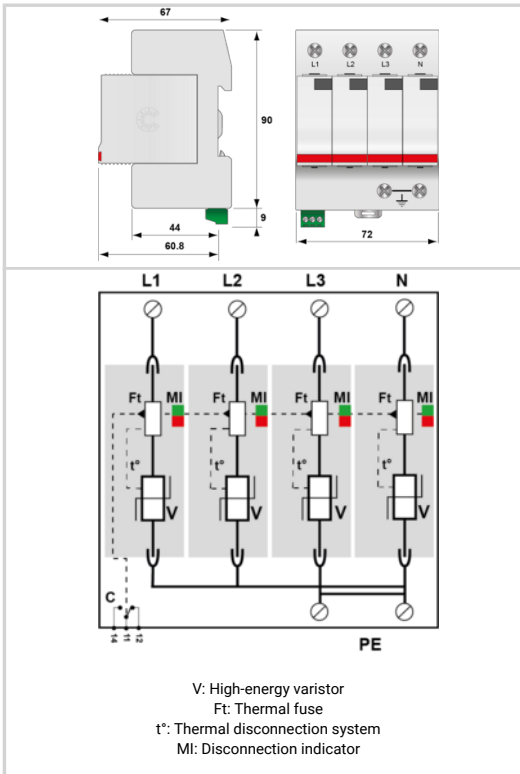
Type 2 AC surge protector - 3-phase+N

CITEL

DS44S-320



- ↳ Discover our latest innovation : the [DAC50S-40-320](#)
- ↳ Type 2 AC Multipolar surge protector
- ↳ I_n : 20 kA
- ↳ I_{max} total : 160 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling option
- ↳ NF EN 61643-11, IEC 61643-11 compliance
- ↳ UL1449 ed.5



| 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) 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 disconnection |
| Residual Current Leakage current to Ground | Ipe | < 1 mA |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μ s impulses | I_n | 20 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I_{max} | 40 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μ s | I_{max} Total | 160 kA |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode |
| Protection level @ I_n (8/20 μ s) | Up | 1.5 kV |
| Admissible short-circuit current | Iscsr | 25 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 2.5-25mm ² / 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 | | output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.359 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 | | CSA / UL Listed |
| Part number | | |
| 461922 | | |

