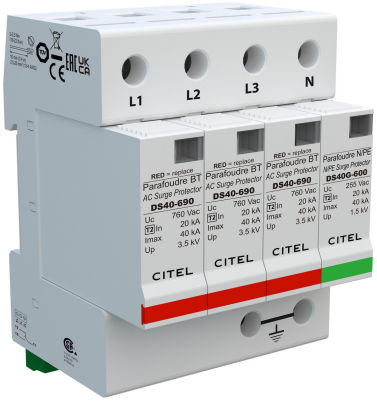
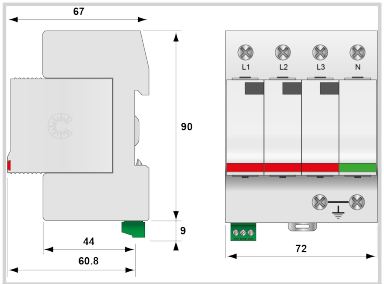
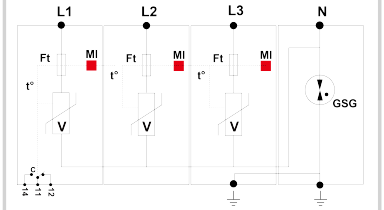
*Type 2 AC surge protector - 3-phase+N*

# DS44S-690/G




- Type 2 AC Multipolar surge protector
- In : 20 kA
- Imax total : 40 kA
- Pluggable module for each phase
- Remote signaling
- NF EN 61643-11, IEC 61643-11 compliance




**V: High-energy varistor**
**GSG: Specific gas tube**
**Ft: Thermal fuse**
**C: Remote signaling contact**
**t°: Thermal disconnection system**
**MI: Disconnection indicator**

| Electrical Characteristics | | |
|---|---|---|
| SPD type | IEC | 2 |
| Network | | 690 V 3-phase+N |
| AC system | | TT-TNS |
| Nominal line voltage | Un | 400 Vac |
| Max. AC operating voltage | Uc | 760 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>*Without disconnection* | UT | 1000 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 1325 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT)<br>*Without disconnection or with safety disconnection* | UT | 1200 V/300A/200 ms withstand |
| Residual Current<br>*Leakage current to Ground* | Ipe | None |
| 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 | 40 kA |
| Connection mode(s) | | L/N and N/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level L/N<br>*@ In (8/20µs)* | Up L/N | 3.5 kV |
| Protection level N/PE<br>*@ In (8/20µs)* | Up N/PE | 1.5 kV |
| Admissible short-circuit current | Isccr | 25 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV+GDT |
| 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) | | DSM40-690+DSM40G-600 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.331 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 | | / TUV Süd |
| Environmental standards | | EU RoHS |
| **Part number** | | |
| **461832** | | |