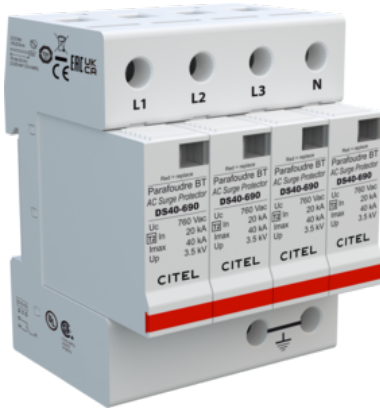




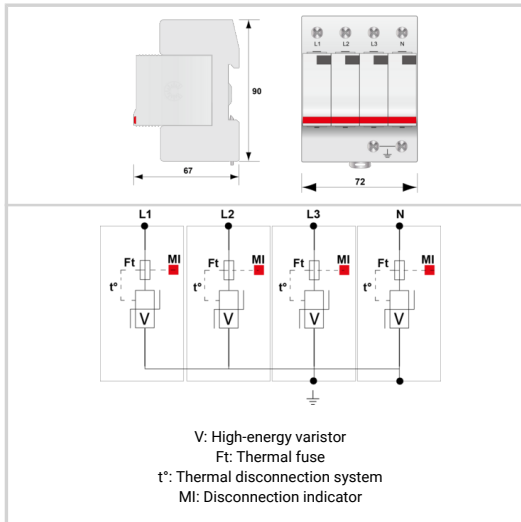
Type 2 AC surge protector - 3-phase+N

CITEL

DS44-690



- ↳ Type 2 AC Multipolar surge protector
- ↳ I_n : 20 kA
- ↳ I_{max} total : 40 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling option
- ↳ EN 61643-11, IEC 61643-11 compliance
- ↳ UL1449 ed.5



| Electrical Characteristics | |
|--|--|
| SPD type | 2 |
| Max. AC operating voltage | U_c 760 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection | UT 1000 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 1325 Vac disconnection |
| Residual Current Leakage current to Ground | I_{pe} < 1 mA |
| Follow current | I_f 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 |
| Protection level N/PE @ I_n (8/20 μ s) | U_p N/PE 3.5 kV |
| Protection level L/PE @ I_n (8/20 μ s) | U_p L/PE 3.5 kV |
| Protection level N/PE at 5 kA @ 5 kA (8/20 μ s) | U_p -5kA 2.6 kV |
| Residual voltage L/PE at 5 kA @ 5 kA (8/20 μ s) | U_p -5kA 2.6 kV |
| Admissible short-circuit current | I_{sc} 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 | T_u -40/+85°C |
| Protection rating | IP20 |
| Failsafe mode | Disconnection from AC network |
| Disconnection indicator | 1 mechanical indicator by pole |
| Spare module(s) | DSM40-690 |
| Remote signaling of disconnection | option DS44S-690: output on changeover contact |
| Dimensions | See diagram |
| Weight | 0.43 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 |
| Certification | UL |
| Part number | |
| 461802 | |

