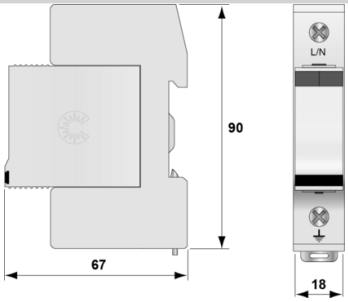
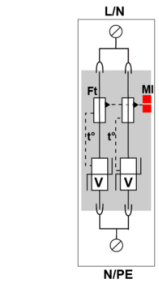
*Type 2 AC surge protector - unipolar*

AC POWER

# DS71R-230

- Re-inforced Type 2 AC surge protector
- In : 30 kA
- Imax : 70 kA
- Pluggable module by phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 compliance
- UL1449 ed.4 approved




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

| Electrical Characteristics | | |
|---|---|---|
| SPD type (following IEC tests) | | 2 |
| Network | | 230/400 V |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 255 Vac |
| Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection) | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Charasteristics - 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 µs impulses) | In | 30 kA |
| Max. discharge current (max. withstand @ 8/20 µs by pole) | Imax | 70 kA |
| Total Maximum discharge current (max. total withstand @ 8 /20 µs ) | Imax Total | 70 kA |
| Connection mode(s) | | L/N or N/PE |
| Protection mode(s) | | Common Mode or Differential Mode |
| Protection level (@ In (8/20µs)) | Up | 1.4 kV |
| Residuel voltage at 5 kA (@ 5 kA (8/20µs)) | Up-5kA | 1 kV |
| Admissible short-circuit current | Isccr | 25 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 1-pole |
| 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 | | 2 mechanical indicators by pole |
| Spare module(s) | | DSM70R-230 |
| Remote signaling of disconnection | | option DS71RS-230 :output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.127 kg |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Fuses | | 100 A min. - 125 A max. - Fuses type gG |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.4 |
| Certification | | UL / CSA /EAC |
| **Part number** | | |
| **3214011** | | |