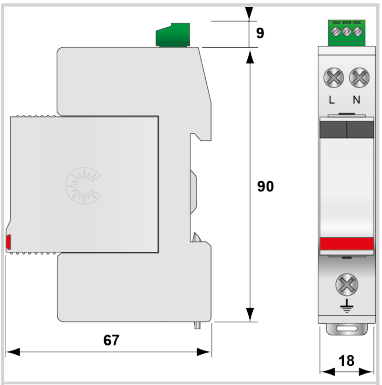
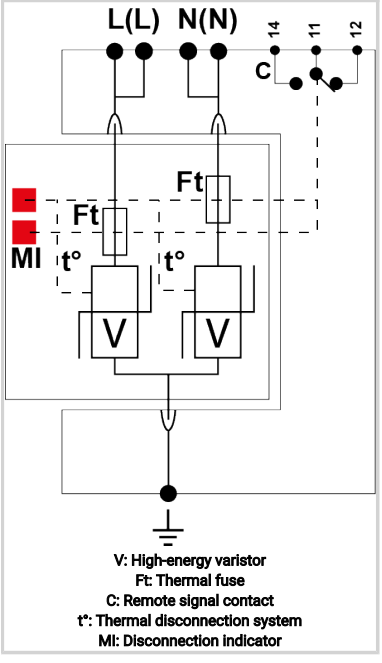
*Compact 1-phase Type 2 (or 3) surge protector - Pluggable*

# DS240S-120




- **Discover our latest innovation : the DAC40CS-20-150**
- Compact single-phase Type 2 surge protector
- In: 20 kA
- Imax: 40 kA
- Common mode
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5




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

| Electrical Characteristics | | |
|---|---|---|
| SPD type | IEC | 2 |
| Network | | 120/208 V |
| AC system | | TN |
| Nominal line voltage | Un | 120 Vac |
| Max. AC operating voltage | Uc | 150 Vac |
| Max. load current<br>*if series connection* | IL | 20 A |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>*Without disconnection* | UT | 180 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 230 Vac disconnection |
| Residual Current<br>*Leakage current to Ground* | Ipe | < 0.5 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 | 80 kA |
| Connection mode(s) | | L/PE and N/PE |
| Protection mode(s) | | Common mode |
| Residual voltage at 5 kA<br>*@ 5 kA (8/20µs)* | Up-5kA | 0.6 kV |
| Protection level CM/DM<br>*@ In (8/20µs)* | Up mc /md | 0.9 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | Single phase |
| Connection to Network | | By screw terminals: 1.5-10mm² (L/N) or 2.5-25mm² (PE) |
| 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 |
| Spare module(s) | | DSM240-120 |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | Fuses type gG - 50 A |

# DS240S-120

| Standards | | |
|---|---|---|
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | cRUus |
| Environmental standards | | EU RoHS |
| **Part number** | | |
| **311611** | | |