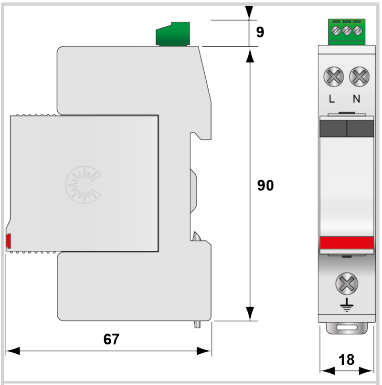
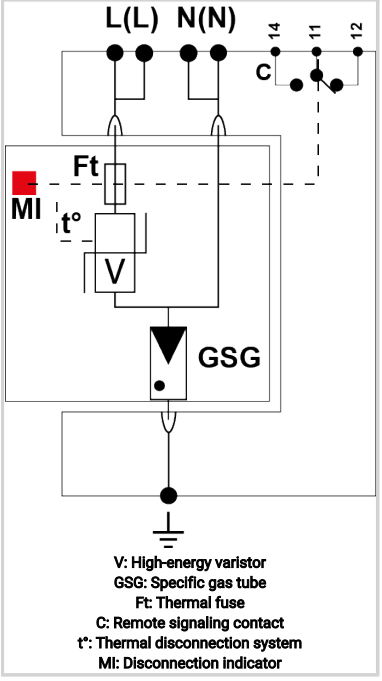
# DS240S-280/G

- MOV+GSG Technology
- UL1449 TYPE 4CA
- 40kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty




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

| Electrical Characteristics | | |
|---|---|---|
| Network | | 230/400V |
| Nominal line voltage | Un | 230 Vac |
| Max. AC operating voltage | Uc | 280 Vac |
| Max. load current<br>*if series connection* | IL | 20 A |
| 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 |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage at 5 kA<br>*@ 5 kA (8/20µs)* | Up-5kA | 1.5/0.9 kV |
| POWER SPD TYPE | | UL1449 5th Ed. TYPE 4CA |
| AC/DC/DC PV/RF | | AC |
| PHASE | (PH) | 1S |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| MODES | | L-L, L-G, L-N, N-G |
| IN<br>*15 impulses 8/20µs* | (kA) | 20 |
| SCCR | (kA) | n/a |
| IMAX<br>*8/20µs* | (kA) | 40 |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| 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) |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| TECHNOLOGY | | MOV+GSG |
| NETWORK CONFIGURATION | | 2 pole, 2W+G, Single/Spilt Phase |
| CONNECTION METHOD | | Screw Terminal, 15-5AWG Solid Wire, 15-7AWG Stranded Wire |
| MOUNTING | | Din Rail |
| MATERIAL | | Thermoplastic UL94-V0 |
| NEMA RATING (IP RATING) | | NEMA 2 (IP20) |
| FAIL-SAFE BEHAVIOR | | Disconnection via fuse-link |
| REAL-TIME DIAGNOSTICS | | Visual indicator and remote contacts |
| DIMENSIONS | | See diagram |
| WEIGHT | | 0.30 lbs |
| **Standards** | | |
| Certification | | UL Recognized |

# DS240S-280/G

| | | |
|---|---|---|
| Environmental standards | | EU RoHS |
| UL STANDARD | | UL1449 5th Edition |
| UL CATEGORY | | VZCA2, VZCA8 |
| UL FILE NUMBER | | E326289 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| **Part number** | | |
| **311131** | | |