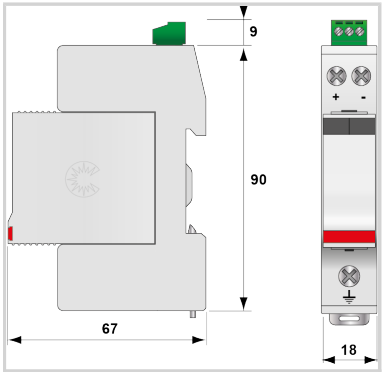
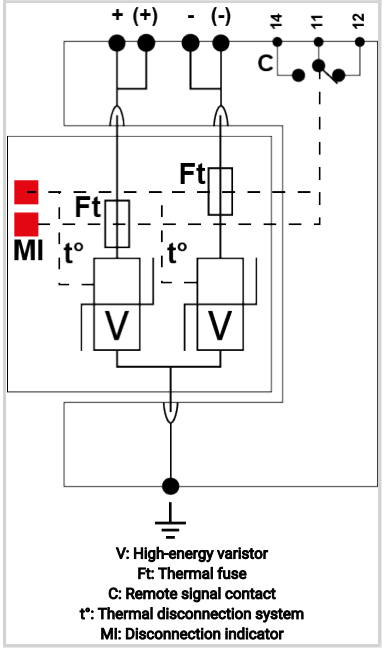
# DS230S-48DC/EC




- MOV Technology
- UL1449 Type 4CA
- 30kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty




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

| Electrical Characteristics | | |
|---|---|---|
| Network | | DC or PV network 48Vdc |
| Nominal line voltage | Un | 48 Vdc |
| Max. AC operating voltage | Uc | 50 Vac |
| Max. DC operating voltage | Uc | 65 Vdc |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 30 kA |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 30 kA |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common mode |
| POWER SPD TYPE | | UL1449 5th Ed. TYPE 4CA |
| VOLTS | (V) | 48 |
| AC/DC/DC PV/RF | | DC |
| PHASE | (PH) | |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| MODES | | DC+-DC-,DC+-G,DC--G |
| MLV DC | (V) | 710/540/560 |
| MCOV | (V) | 65/65/65 |
| IN<br>*15 impulses 8/20µs* | (kA) | 10 |
| SCCR | (kA) | n/a |
| IMAX<br>*8/20µs* | (kA) | 30 |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| Connection to Network | | By screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (ground) |
| 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 DC network |
| TECHNOLOGY | | MOV |
| NETWORK CONFIGURATION | | 2W+G |
| CONNECTION METHOD | | SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG |
| MOUNTING | | Wall mount |
| 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 |

# DS230S-48DC/EC

| | | |
|---|---|---|
| SPARE PART | | DSM220-12DC |
| **Standards** | | |
| Certification | | UL 497B |
| Environmental standards | | EU RoHS |
| UL STANDARD | | UL1449 5th Edition |
| UL CATEGORY | | VZCA2, VZCA8 |
| UL FILE NUMBER | | E326289 |
| STANDARDS | | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| **Part number** | | |
| **39041186** | | |