



- ↳ UL Type 1 CA DC SPD for PV Systems
- VG Technology for Maximum Performance
- Zero Leakage Current
- Zero Current Working
- I_{max} : 40kA/pole at 8/20μs
- I_n : IEC 20kA/pole, UL 10kA/pole at 8/20μs
- UL 1449 5th Edition Recognized



| Electrical Characteristics | | |
|--|---------------------------|--------------------------|
| Network | | PV network 1250 Vdc |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | I _{max} Total | 60 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/-PE (-/PE) <i>@ I_n (8/20μs)</i> | U _p | 2.5 kV |
| Maximum Discharge Current <i>I_{max} (8/20)</i> | kA | 40.0000 |
| Maximum Discharge Current <i>I_{max} (8/20)</i> | kA | 40.0000 |
| Maximum Discharge Current <i>I_{max} (8/20)</i> | kA | 40.0000 |
| Voltage Protection Level <i>VPR</i> | V | 2500.0000 |
| Voltage Protection Level <i>VPR</i> | V | 1500.0000 |
| Voltage Protection Level <i>VPR</i> | V | 1500.0000 |
| POWER SPD TYPE | | UL1449 TYPE 1CA |
| VOLTS | (V) | 500 |
| AC/DC/DC PV/RF | | DC PV |
| PHASE | (PH) | - |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -35 |
| AMBIENT MAX | (C) | +85 |
| MODES | | DC+G or DC-G |
| VPR | (V) | 2500/1500/1500 |
| MCOV | (V) | 500/500/500 |
| IN <i>15 impulses 8/20μs</i> | (kA) | 20 |
| SCCR | (kA) | 100 |
| Option | | |
| Remote status dry contact electrical rating <i>Max Voltage</i> | V | 250.0000 |
| Remote status dry contact electrical rating <i>Max Current</i> | A | 0.5000 |
| RFI Filter | | no |
| Installation | | |
| Wiring type | | Screw |
| Solid wire cross section <i>Min</i> | mm ² | 4.0000 |
| Solid Wire cross section <i>Max</i> | mm ² | 25.0000 |
| Stranded Wire cross section <i>Min</i> | mm ² | 4.0000 |
| Stranded wire cross section <i>Max</i> | mm ² | 25.0000 |
| Wire gauge <i>Min</i> | AWG | 12.0000 |
| Wire gauge <i>Max</i> | AWG | 4.0000 |
| Torque | Nm | 2.0 - 2.5 |
| Torque | in-lbs | 17.8 - 22.1 |
| Strip Length | mm | 12.5000 |
| Strip Length | in | 0.5000 |
| Operating Temperature <i>Min</i> | °C | -40.0000 |
| Operating Temperature <i>Max</i> | °C | 85.0000 |
| Operating Temperature <i>Min</i> | °F | -40.0000 |
| Operating Temperature <i>Max</i> | °F | 85.0000 |
| Operating Relative Humidity <i>Max</i> | %RH | 95 |
| Operating Altitude <i>Min</i> | Ft | 2000.0000 |
| Operating Altitude <i>Max</i> | Ft | 6500.0000 |
| Housing/Enclosure material | | Thermoplastic |
| Flammability rating <i>UL 94</i> | | V0 |
| Mounting | | Din Rail |

| | | |
|-----------------------------------|-----|--|
| IP Environmental rating/IP | | IP20 |
| NEMA Environmental rating/NEMA | | NEMA 1 |
| Installation Location | | Indoor |
| Spare part | | Module |
| Product Dimension L | mm | 99.0000 |
| Product Dimension H | mm | 67.0000 |
| Product Dimension W | mm | 54.0000 |
| Product Dimension L | In | 3.8900 |
| Product Dimension H | In | 2.6400 |
| Product Dimension W | In | 2.1300 |
| Miscellaneous | | |
| Individual Pack | | Yes |
| Storage Temperature Min | °C | -40.0000 |
| Storage Temperature Max | °C | 85.0000 |
| Storage Temperature Min | °F | -40.0000 |
| Storage Temperature Max | °F | 85.0000 |
| Storage Relative Humidity Max | %RH | 95.0000 |
| Mechanical Characteristics | | |
| Technology | | VG Technology (MOV+GSG) |
| Connection to Network | | By screw terminals: 4-25mm ² |
| Format | | Plug-in modular box |
| Failsafe mode | | Disconnection SPD of the PV line |
| Weight | | 0.259 kg |
| TECHNOLOGY | | MOV+GSG |
| NETWORK CONFIGURATION | | 3 poles, 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 |
| Standards | | |
| Certification | | UL |
| UL STANDARD | | UL1449 5th Edition |
| UL FILE NUMBER | | E326289 |
| Part number | | |
| 480151 | | |