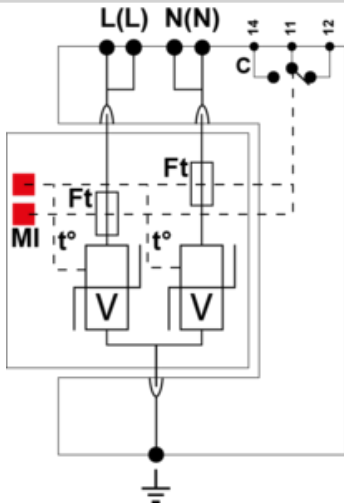
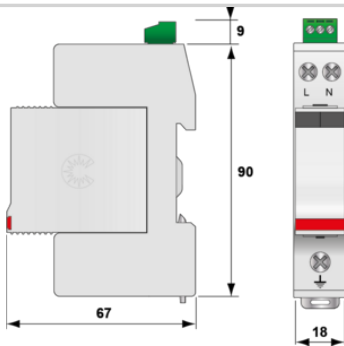




- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty



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

### Electrical Characteristics

|                                                                          |                           |                         |
|--------------------------------------------------------------------------|---------------------------|-------------------------|
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i> | I <sub>max</sub><br>Total | 80 kA                   |
| Protection mode(s)                                                       |                           | Common mode             |
| POWER SPD TYPE                                                           |                           | UL1449 5th Ed. TYPE 4CA |
| AC/DC/DC PV/RF                                                           |                           | AC                      |
| PHASE                                                                    | (PH)                      | 1S                      |
| AMPS                                                                     | (A)                       | N/A                     |
| AMBIENT MIN                                                              | (C)                       | -35                     |
| AMBIENT MAX                                                              | (C)                       | +60                     |
| MODES                                                                    |                           | L-L, L-G, L-N, N-G      |
| MLV                                                                      | (V)                       | 3740/-/2410/-           |
| MCOV                                                                     | (V)                       | 600/-/400/-             |
| IN                                                                       | (kA)                      | 20                      |
| 15 impulses 8/20μs                                                       |                           |                         |
| SCCR                                                                     | (kA)                      | n/a                     |
| IMAX<br>8/20μs                                                           | (kA)                      | 40                      |

### Option

|                                                        |   |          |
|--------------------------------------------------------|---|----------|
| Remote status dry contact electrical ratingMax Voltage | V | 250.0000 |
| Remote status dry contact electrical ratingMax Current | A | 0.5000   |
| RFI Filter                                             |   | No       |

### Installation

|                                |                 |                  |
|--------------------------------|-----------------|------------------|
| Wiring type                    |                 | screw            |
| Solid wire cross sectionMin    | mm <sup>2</sup> | 1.5000           |
| Solid Wire cross sectionMax    | mm <sup>2</sup> | 16.0000          |
| Stranded Wire cross sectionMin | mm <sup>2</sup> | 1.5000           |
| Stranded wire cross sectionMax | mm <sup>2</sup> | 10.0000          |
| Wire gaugeMin                  | AWG             | 15.0000          |
| Wire gaugeMax                  | AWG             | 5.0000           |
| Torque                         | Nm              | 1.2-1.5          |
| Torque                         | in-lbs          | 10.6-13.3        |
| Strip Length                   | mm              | 16.0000          |
| Strip Length                   | in              | 0.6300           |
| Operating TemperatureMin       | °C              | -40.0000         |
| Operating TemperatureMax       | °C              | 85.0000          |
| Operating TemperatureMin       | °F              | -40.0000         |
| Operating TemperatureMax       | °F              | 85.0000          |
| Operating Relative HumidityMax | %RH             | 95               |
| Operating AltitudeMin          | Ft              | 2000.0000        |
| Operating AltitudeMax          | Ft              | 6500.0000        |
| Housing/Enclosure material     |                 | Thermoplastic    |
| Flammability ratingUL 94       |                 | V0               |
| Mounting                       |                 | Rail Din         |
| IP Environmental rating/IP     |                 | IP20             |
| Installation Location          |                 | Indoor / outdoor |
| Spare part                     |                 | Module           |
| Product DimensionL             | mm              | 90.0000          |
| Product DimensionH             | mm              | 67.0000          |
| Product DimensionW             | mm              | 18.0000          |
| Product DimensionL             | In              | 3.5400           |
| Product DimensionH             | In              | 2.6300           |
| Product DimensionW             | In              | 0.7100           |

### Miscellaneous

|                        |    |          |
|------------------------|----|----------|
| Individual Pack        |    | Yes      |
| Storage TemperatureMin | °C | -40.0000 |
| Storage TemperatureMax | °C | 85.0000  |

|                                      |     |                                                                               |
|--------------------------------------|-----|-------------------------------------------------------------------------------|
| Storage Temperature <i>Min</i>       | °F  | -40.0000                                                                      |
| Storage Temperature <i>Max</i>       | °F  | 85.0000                                                                       |
| Storage Relative Humidity <i>Max</i> | %RH | 95.0000                                                                       |
| Mechanical Characteristics           |     |                                                                               |
| Connection to Network                |     | By screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (PE) |
| Weight                               |     | 0.145 kg                                                                      |
| TECHNOLOGY                           |     | MOV                                                                           |
| NETWORK CONFIGURATION                |     | 1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two 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                        |     | CSA / UL                                                                      |
| UL STANDARD                          |     | UL1449 5th Edition                                                            |
| UL CATEGORY                          |     | VZCA2, VZCA8                                                                  |
| UL FILE NUMBER                       |     | E326289                                                                       |
| STANDARDS                            |     | NOM-003-SCFI-2014, NOM-001-SCFI-1993                                          |
| ENVIRONMENTAL STANDARDS              |     | ROHS                                                                          |
| Part number                          |     |                                                                               |
| 311411                               |     |                                                                               |