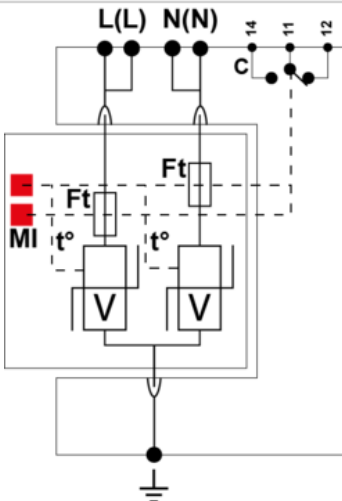
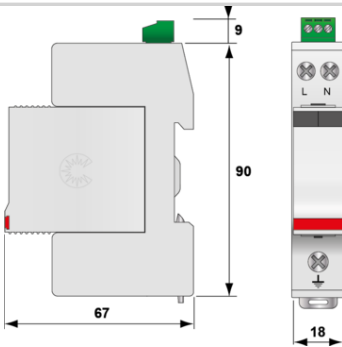




- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty



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

| Option                                                             |                           |                  |
|--------------------------------------------------------------------|---------------------------|------------------|
| Remote status dry contact electrical rating (Max Voltage)          | V                         | 250.0000         |
| Remote status dry contact electrical rating (Max Current)          | A                         | 0.5000           |
| RFI Filter                                                         |                           | No               |
| Installation                                                       |                           |                  |
| Wiring type                                                        |                           | screw            |
| Solid wire cross section (Min)                                     | mm <sup>2</sup>           | 1.5000           |
| Solid Wire cross section (Max)                                     | mm <sup>2</sup>           | 16.0000          |
| Stranded Wire cross section (Min)                                  | mm <sup>2</sup>           | 1.5000           |
| Stranded wire cross section (Max)                                  | mm <sup>2</sup>           | 10.0000          |
| Wire gauge (Min)                                                   | AWG                       | 15.0000          |
| Wire gauge (Max)                                                   | 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 Temperature (Min)                                        | °C                        | -40.0000         |
| Operating Temperature (Max)                                        | °C                        | 85.0000          |
| Operating Temperature (Min)                                        | °F                        | -40.0000         |
| Operating Temperature (Max)                                        | °F                        | 85.0000          |
| Operating Relative Humidity (Max)                                  | %RH                       | 95               |
| Operating Altitude (Min)                                           | Ft                        | 2000.0000        |
| Operating Altitude (Max)                                           | Ft                        | 6500.0000        |
| Housing/Enclosure material                                         |                           | Thermoplastic    |
| Flammability rating (UL 94)                                        |                           | VO               |
| Mounting                                                           |                           | Rail Din         |
| IP Environmental rating (IP)                                       |                           | IP20             |
| Installation Location                                              |                           | Indoor / outdoor |
| Spare part                                                         |                           | Module           |
| Product Dimension (L)                                              | mm                        | 90.0000          |
| Product Dimension (H)                                              | mm                        | 67.0000          |
| Product Dimension (W)                                              | mm                        | 18.0000          |
| Product Dimension (L)                                              | In                        | 3.5400           |
| Product Dimension (H)                                              | In                        | 2.6300           |
| Product Dimension (W)                                              | In                        | 0.7100           |
| 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          |
| Electrical Characteristics                                         |                           |                  |
| Total Maximum discharge current (max. total withstand @ 8 /20 μs ) | I <sub>max</sub><br>Total | 80 kA            |

**DS240S-400**

|                                   |      |                                                   |
|-----------------------------------|------|---------------------------------------------------|
| Protection mode(s)                |      | Common mode                                       |
| POWER SPD TYPE                    |      | UL1449 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-N, L-G, N-G                                     |
| MLV                               | (V)  | 3740/-/2410/-                                     |
| MCOV                              | (V)  | 600/-/400/-                                       |
| IN(15 impulses 8/20µs)            | (kA) | 20                                                |
| SCCR                              | (kA) | n/a                                               |
| IMAX(8/20µs)                      | (kA) | 40                                                |
| <b>Mechanical Characteristics</b> |      |                                                   |
| Weight                            |      | 0.145 kg                                          |
| TECHNOLOGY                        |      | MOV                                               |
| NETWORK CONFIGURATION             |      | 1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two Phase) |
| CONNECTION METHOD                 |      | Screw Terminal (8-12AWG)                          |
| 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 (mm)                                  |
| WEIGHT                            |      | 0.30 lbs                                          |
| <b>Standards</b>                  |      |                                                   |
| Certification                     |      | UL / CSA / EAC                                    |
| UL STANDARD                       |      | UL1449 4th Edition                                |
| UL CATEGORY                       |      | VZCA2, VZCA8                                      |
| UL FILE NUMBER                    |      | E326289                                           |
| STANDARDS                         |      | NOM-003-SCFI-2014, NOM-001-SCFI-1993              |
| ENVIRONMENTAL STANDARDS           |      | ROHS                                              |
| <b>Part number</b>                |      |                                                   |
| <b>311411</b>                     |      |                                                   |

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