

# Surge Diverter, 60 kA Single Mode



## CERTIFICATIONS



## FEATURES

60kA 8/20µs maximum surge rating provides protection suitable for sub-distribution panels and a long operational life

Indication flag provides clear visual indication of life status

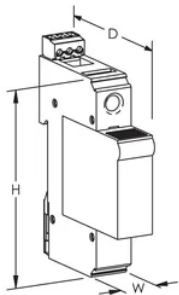
Remote contacts provide remote status monitoring

## SPECIFICATIONS

| Catalog Number                        | DSD1601SR150       |
|---------------------------------------|--------------------|
| Article Number                        | 702450             |
| Nominal System Voltage (Un)           | 110 - 120 V        |
| Max Continuous Operating Voltage (Uc) | 150 VAC<br>200 VDC |
| Max Discharge Current (Imax)          | 60kA 8/20 µs       |
| Nominal Discharge Current (In)        | 25kA 8/20 µs       |
| Voltage Protection Level (Up)         | 1000 V @ 25 kA     |
| Impulse Current (Iimp)                | 12kA 10/350 µs     |
| Frequency                             | 0 - 60 Hz          |

| Catalog Number                      | DSD1601SR150                                                                                                                                           |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection Modes                    | Single                                                                                                                                                 |
| Short Circuit Current Rating (SCCR) | 25kA                                                                                                                                                   |
| Technology                          | MOV with thermal disconnect                                                                                                                            |
| Connection, Solid                   | 35 mm <sup>2</sup> Max                                                                                                                                 |
| Connection, Stranded                | 25 mm <sup>2</sup> Max                                                                                                                                 |
| Mounting                            | 35 mm top hat DIN rail                                                                                                                                 |
| Enclosure Material                  | UL® 94V-0 Thermoplastic                                                                                                                                |
| Enclosure Rating                    | IP 20<br>NEMA®-1                                                                                                                                       |
| Status Indication                   | Mechanical flag                                                                                                                                        |
| Terminal Torque                     | 3.5 N·m Max                                                                                                                                            |
| Remote Contacts                     | Yes                                                                                                                                                    |
| Module Width                        | 1 M                                                                                                                                                    |
| Temperature                         | -40 to 80 °C                                                                                                                                           |
| Depth (D)                           | 68mm                                                                                                                                                   |
| Height (H)                          | 90 mm                                                                                                                                                  |
| Width (W)                           | 18 mm                                                                                                                                                  |
| Unit Weight                         | 0.12 kg                                                                                                                                                |
| Complies With                       | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C<br>ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 2, 50 kA<br>8/20 µs<br>IEC® 61643-1 Class I, Class II |
| Replacement Module                  | DSD1601SR150M                                                                                                                                          |

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause

product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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