

# Surge Diverter, 150 kA Single Mode



## CERTIFICATIONS



## FEATURES

150kA 8/20 $\mu$ s surge rating provides protection suitable for main distribution panels and provides a long operational life

Indication flag provides clear visual indication of life status

Remote contacts provide remote status monitoring

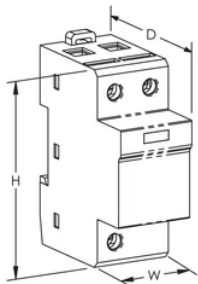
Simple combinations of the DSD and SGD series allow the protection of TT, TNC, TNC-S and IT systems

## SPECIFICATIONS

| Catalog Number                        | <b>DSD11502SR275</b>           |
|---------------------------------------|--------------------------------|
| Article Number                        | 702420                         |
| Nominal System Voltage (Un)           | 220 - 240 V                    |
| Max Continuous Operating Voltage (Uc) | 275 VAC<br>350 VDC             |
| Nominal Discharge Current (In)        | 60kA 8/20 $\mu$ s              |
| Max Discharge Current (Imax)          | 150kA 8/20 $\mu$ s             |
| Voltage Protection Level (Up)         | 850 V @ 3 kA<br>1600 V @ 60 kA |

| Catalog Number         | DSD11502SR275                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Impulse Current (Iimp) | 25kA 10/350 $\mu$ s                                                                                                                                                                |
| Frequency              | 0 - 60 Hz                                                                                                                                                                          |
| Protection Modes       | Single                                                                                                                                                                             |
| 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                                                                                                                                                                                |
| Temperature            | -40 to 80 °C                                                                                                                                                                       |
| Module Width           | 2 M                                                                                                                                                                                |
| Height (H)             | 90 mm                                                                                                                                                                              |
| Width (W)              | 36 mm                                                                                                                                                                              |
| Unit Weight            | 0.33 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 3, 100 kA<br>8/20 $\mu$ s, 10 kA 10/350 $\mu$ s<br>IEC® 61643-1 Class I, Class II |
| Depth (D)              | 68mm                                                                                                                                                                               |

## 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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