

# Surge Diverter, 15 kA Three Mode



## CERTIFICATIONS



## FEATURES

15kA 8/20µs surge rating per mode

Three modes of protection: L-N, L-PE and N-PE

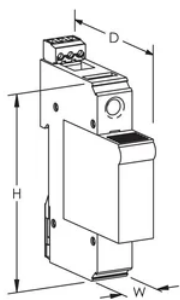
Indication flags and voltage-free contacts provide remote status monitoring

## SPECIFICATIONS

| Catalog Number                             | DSD1301BR150       | DSD1301BR275       |
|--------------------------------------------|--------------------|--------------------|
| Nominal System Voltage (Un)                | 110 - 120 V        | 220 - 240 V        |
| Max Continuous Operating Voltage (Uc)      | 150 VAC<br>200 VDC | 275 VAC<br>350 VDC |
| Nominal Discharge Current (In), Per Mode   | 8kA 8/20 µs        | 8kA 8/20 µs        |
| Max Discharge Current (Imax), Per Mode     | 15kA 8/20 µs       | 15kA 8/20 µs       |
| Voltage Protection Level (Up), L-N @ In    | 1200V              | 1500V              |
| Voltage Protection Level (Up), L/N-PE @ In | 600V               | 800V               |

| Catalog Number                      | DSD1301BR150                                                    | DSD1301BR275                                                    |
|-------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Distribution System                 | TN-C<br>TN-C-S<br>TN-S                                          | TN-C<br>TN-C-S<br>TN-S                                          |
| Frequency                           | 0 - 100 Hz                                                      | 0 - 100 Hz                                                      |
| Protection Modes                    | L-N<br>N-PE<br>L-PE                                             | L-N<br>N-PE<br>L-PE                                             |
| Short Circuit Current Rating (SCCR) | 25kA                                                            | 25kA                                                            |
| Technology                          | MOV with thermal disconnect                                     | MOV with thermal disconnect                                     |
| Connection, PE Solid                | 2 Max                                                           | 2 Max                                                           |
| Connection, PE Stranded             | 4 Max                                                           | 4 Max                                                           |
| Connection, Solid                   | 6 mm <sup>2</sup> Max                                           | 6 mm <sup>2</sup> Max                                           |
| Connection, Solid                   | #10 max                                                         | #10 max                                                         |
| Connection, Stranded                | #11 max                                                         | #11 max                                                         |
| Mounting                            | 35 mm top hat DIN rail                                          | 35 mm top hat DIN rail                                          |
| Enclosure Material                  | UL® 94V-0 Thermoplastic                                         | UL® 94V-0 Thermoplastic                                         |
| Enclosure Rating                    | IP 20<br>NEMA®-1                                                | IP 20<br>NEMA®-1                                                |
| Status Indication                   | Mechanical flag                                                 | Mechanical flag                                                 |
| Terminal Torque                     | 31 in·lb Max                                                    | 31 in·lb Max                                                    |
| Terminal Torque, Ground             | 22 in·lb Max                                                    | 22 in·lb Max                                                    |
| Remote Contacts                     | Yes                                                             | Yes                                                             |
| Temperature                         | -40 to 176 °F                                                   | -40 to 176 °F                                                   |
| Module Width                        | 1 M                                                             | 1 M                                                             |
| Depth (D)                           | 2.68"                                                           | 2.68"                                                           |
| Height (H)                          | 3.54"                                                           | 3.54"                                                           |
| Width (W)                           | 0.71"                                                           | 0.71"                                                           |
| Unit Weight                         | 0.26 lb                                                         | 0.26 lb                                                         |
| Complies With                       | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B<br>IEC® 61643-1 Class II | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B<br>IEC® 61643-1 Class II |

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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