

Surge Diverter, 15 kA Three Mode



CERTIFICATIONS



FEATURES

15kA 8/20 μ s surge rating per mode

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

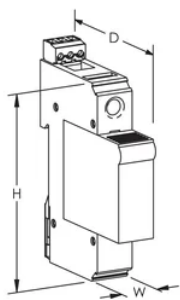
Indication flags and voltage-free contacts provide remote status monitoring

SPECIFICATIONS

Catalog Number	DSD1301BR150	DSD1301BR275
Nominal System Voltage (Un)	110 - 120 V	220 - 240 V
Max Continuous Operating Voltage (Uc)	150 VAC 200 VDC	275 VAC 350 VDC
Nominal Discharge Current (In), Per Mode	8kA 8/20 μ s	8kA 8/20 μ s
Max Discharge Current (Imax), Per Mode	15kA 8/20 μ s	15kA 8/20 μ s
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 TN-C-S TN-S	TN-C TN-C-S TN-S
Frequency	0 - 100 Hz	0 - 100 Hz
Protection Modes	L-N N-PE L-PE	L-N N-PE L-PE
Short Circuit Current Rating (SCCR)	25kA	25kA
Technology	MOV with thermal disconnect	MOV with thermal disconnect
Connection, PE Solid	35 mm ² Max	35 mm ² Max
Connection, PE Stranded	25 mm ² Max	25 mm ² Max
Connection, Solid	6 mm ² Max	6 mm ² Max
Connection, Stranded	4 mm ² Max	4 mm ² 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 NEMA®-1	IP 20 NEMA®-1
Status Indication	Mechanical flag	Mechanical flag
Terminal Torque	2 N·m Max	2 N·m Max
Terminal Torque, Ground	3.5 N·m Max	3.5 N·m Max
Remote Contacts	Yes	Yes
Temperature	-40 to 80 °C	-40 to 80 °C
Module Width	1 M	1 M
Depth (D)	68mm	68mm
Height (H)	90 mm	90 mm
Width (W)	18 mm	18 mm
Unit Weight	0.12 kg	0.12 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B IEC® 61643-1 Class II	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B 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 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.

North America

+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical
Support

Europe

Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe

Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC

Shanghai:
+ 86 21 2412 1618/19
Sydney:
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