

Surge Diverter, 24/48 DC



FEATURES

40 kA 8/20µs surge rating per mode, 80 kA per line, 120 kA total per pair

Suitable for exposed DC wiring

Indication flag provides clear visual indication of life status

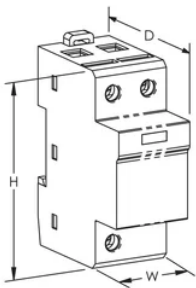
Suitable for both 24 VDC and 48 VDC distribution systems

SPECIFICATIONS

Catalog Number	DSD1402BR24/48
Nominal System Voltage (Un)	0 - 48 VDC
Max Continuous Operating Voltage (Uc)	60 VAC 60 VDC
Max Discharge Current (Imax), Per Mode	40kA 8/20 µs
Nominal Discharge Current (In)	20kA 8/20 µs
Voltage Protection Level (Up), + to - @ In	600V
Voltage Protection Level (Up), L-N	280 V @ 3 kA
Frequency	0 - 60 Hz
Protection Modes	Common Differential
Short Circuit Current Rating (SCCR)	25kA
Technology	MOV with thermal disconnect
Connection, Solid	35 mm² Max

Catalog Number	DSD1402BR24/48
Connection, Solid	#2 max
Connection, Stranded	#4 max
Mounting	35 mm top hat DIN rail
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20 NEMA®-1
Status Indication	Mechanical flag
Terminal Torque	31 ft·lbf Max
Remote Contacts	Yes
Temperature	-40 to 176 °F
Module Width	2 M
Depth (D)	2.68"
Height (H)	3.54"
Width (W)	1.42"
Unit Weight	0.45 lb
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 2, 20 kA 8/20 µs, 2 kA 10/350 µs 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:

+61 2 9751 8500



Our powerful portfolio of brands:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE