

Surge Diverter, 20 kA Single Mode DC



CERTIFICATIONS



FEATURES

General purpose barrier protection of 12 or 24 VDC systems and equipment

Large surge rating to 20 kA 8/20µs suitable for exposed DC wiring

Two stage protection suitable for the protection of power supply feeds

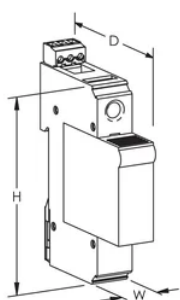
High series current rating of 10 A

SPECIFICATIONS

Catalog Number	DSD1201S12	DSD1201S24
Nominal System Voltage (Un)	12 VDC	24 VDC
Max Continuous Operating Voltage (Uc)	15 VDC	28 VDC
Nominal Discharge Current (In)	10kA 8/20 µs	10kA 8/20 µs
Max Discharge Current (Imax)	20kA 8/20 µs	20kA 8/20 µs
Voltage Protection Level (Up), L-L	30 V @ 3 kA	40 V @ 3 kA
Rated Load Current (IL)	10A	10A
Protection Modes	Common Differential	Common Differential

Catalog Number	DSD1201S12	DSD1201S24
Technology	Gas Discharge Tube (GDT) Silicon Avalanche Diode (SAD)	Gas Discharge Tube (GDT) Silicon Avalanche Diode (SAD)
Connection, Solid	6 mm ² Max	6 mm ² Max
Connection, Stranded	6 mm ² Max	6 mm ² Max
Loop Resistance	0.5 Ω	0.5 Ω
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
Remote Contacts	No	No
Terminal Torque	2.5 N·m Max	2.5 N·m Max
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	0.13 kg	0.13 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C
Replacement Module	DSD1201S12M	DSD1201S24M

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.

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