We connect and protect

Rail Secondary Power Surge Protector, DC Circuits

FEATURES

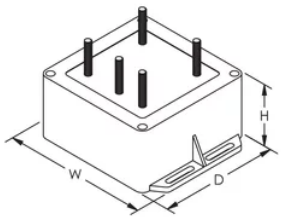
- Hybrid TVSS technology
- High surge rating provides a high level of protection and long operational life
- Internal patented thermal disconnect system designed specifically for operation of DC systems to assist safe disconnect at end of life
- Low let-through voltage
- Sine wave filter for RFI/EMI attenuation

SPECIFICATIONS

Catalog Number	**EPD1224ATAAR1**
Nominal System Voltage (Un)	12 VDC 24 VDC
Max Continuous Operating Voltage (Uc), 12 VDC	18 VDC
Max Continuous Operating Voltage (Uc), 24 VDC	36 VDC
Voltage Protection Level, 12 VDC (Up)	34 V @ 20 kA
Voltage Protection Level, 24 VDC (Up)	41 V @ 20 kA
Rated Load Current (IL)	30A 60A
Filtering	-65 dB @ 100 kHz
Distribution System	Two wire

Catalog Number	EPD1224ATAAR1
Aggregate Surge Rating	20
Status Indication	LED
Technology	Metal Oxide Varistor (MOV) Silicon Avalanche Diode (SAD) In-line series filter
Connection Type	AAR Terminals
Protection Modes	-ve to +ve
Humidity	0 - 90
Temperature	-40 to 70 °C
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20 NEMA®-1
Depth (D)	120mm
Height (H)	60.2 mm
Width (W)	120 mm
Unit Weight	0.87 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C AREMA® requirements

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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