

# 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

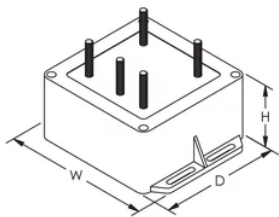
Sine wave filter for RFI/EMI attenuation

## 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

<b>Catalog Number</b>	<b>EPD1224ATAAR1</b>
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 158 °F
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20 NEMA®-1
Depth (D)	4.73"
Height (H)	2.37"
Width (W)	4.73"
Unit Weight	1.92 lb
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](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.

#### 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**