

# Rail Primary Power Surge Protector



## FEATURES

Modular design allows easy replacement of surge modules

Terminals provided within panel

Viewing window for safe inspection

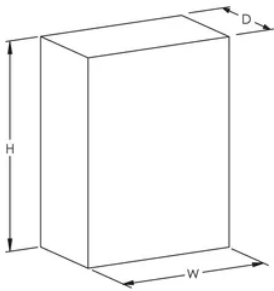
Internal high interrupt capacity fusing for added safety

## SPECIFICATIONS

Catalog Number	EPD100HZ120S	EPD100HZ120240V	EPD100HZ120V
Nominal System Voltage (Un)	120 VAC	120/240 V	120 VAC
Max Continuous Operating Voltage (Uc)	150 VAC	150/300 VAC	150 VAC
Max Discharge Current (Imax), Per Mode	15kA 8/20 $\mu$ s	15kA 8/20 $\mu$ s	15kA 8/20 $\mu$ s
Nominal Discharge Current (In), Per Mode	40kA 8/20 $\mu$ s	40kA 8/20 $\mu$ s	40kA 8/20 $\mu$ s
Frequency	0 - 100 Hz	0 - 100 Hz	0 - 100 Hz
Voltage Protection Level (Up)	1200 V @ 15 kA	1400 V @ 15 kA	1200 V @ 15 kA
Short Circuit Current Rating (SCCR)	25kA	25kA	25kA
Connection, Stranded	2 - 50 mm <sup>2</sup>	2.5 - 16 mm <sup>2</sup>	2.5 - 16 mm <sup>2</sup>
Protection Modes	Differential Common	Differential Common	Differential Common

Catalog Number	EPD100HZ120S	EPD100HZ120240V	EPD100HZ120V
Status Indication	Mechanical flag	Mechanical flag	Mechanical flag
Technology	MOV with thermal disconnect	MOV with thermal disconnect	MOV with thermal disconnect
Humidity	0 - 90	0 - 90	0 - 90
Temperature	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C
Enclosure Material	Metal	Metal	Metal
Enclosure Rating	NEMA®-4	NEMA®-4	NEMA®-4
Depth (D)	116.84mm	116.84mm	116.84mm
Height (H)	203.2 mm	203.2 mm	203.2 mm
Width (W)	292.1 mm	292.1 mm	292.1 mm
Unit Weight	5.35 kg	5.35 kg	5.35 kg
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C AREMA® requirements	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C AREMA® requirements	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.

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