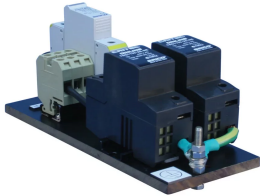


Rail Diverter Panel



FEATURES

Effective two-mode surge protection for rail power circuits

Rugged 130 kA triggered spark gaps divert surge currents effectively to earth, ensuring long product service life

Fine line-to-line protection clamps damaging voltage transients ensuring effective protection of your sensitive equipment

Line-to-line protection features separate plug and base design that facilitates replacement of a failed surge module

Separate line and equipment terminals reduce effective lead length, thus reducing let-through voltage

SPECIFICATIONS

Catalog Number	RDP120V	RDP240V
Nominal System Voltage (Un)	100 - 120 VAC	220 - 240 V
Max Continuous Operating Voltage (Uc)	150 VAC L-L 440 VAC L-PE	275 VAC L-L 440 VAC L-PE
Voltage Protection Level (Up)	480 V @ 3 kA L-L 700 V @ 20 kA L-L 1500 V @ 3 kA L-PE 2300 V @ 20 kA L-PE	850 V @ 3 kA L-L 1400 V @ 20 kA L-L 1500 V @ 3 kA L-PE 2300 V @ 20 kA L-PE
Max Discharge Current (Imax), L-L	40kA 8/20 μ s	40kA 8/20 μ s
Max Discharge Current (Imax), L-PE	130kA 8/20 μ s	130kA 8/20 μ s
Impulse Current (Iimp), L-PE	50kA 10/350 μ s	50kA 10/350 μ s
Max Operating Current, L-L	1mA	1mA
Max Operating Current, L-PE	1 μ A	1 μ A
Frequency	50 - 60 Hz	50 - 60 Hz

Catalog Number	RDP120V	RDP240V
Protection Modes	L-L L-PE	L-L L-PE
Technology	Metal Oxide Varistor (MOV) Triggered Spark Gap	Metal Oxide Varistor (MOV) Triggered Spark Gap
Distribution System	TT TN-C	TT TN-C
Follow Current Extinguishing Capability @ Un	43kA	43kA
Status Indication	Mechanical flag	Mechanical flag
Temperature	-40 to 80 °C	-40 to 80 °C
Humidity	0 - 90	0 - 90
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 µs, 10 kA 10/350 µs
Replacement Module	DSD140M150	DSD140M275
Replacement Part	TSG11302SNE	TSG11302SNE

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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