

Surge Diverter, 100 kA, Three Phase



CERTIFICATIONS



FEATURES

100kA 8/20 μ s maximum surge rating per phase provides protection suitable for smaller, more compact main distribution panels and an extended operational life

Indication flag provides clear visual indication of life status

Remote contacts provide remote status monitoring

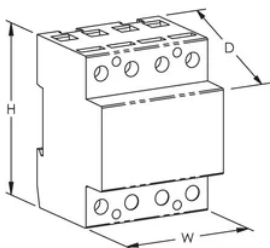
Designed specifically for economical use within the Australian and New Zealand markets

SPECIFICATIONS

Catalog Number	DSD3100TNC275	DSD3100TNS275
Max Continuous Operating Voltage (Uc)	275 VAC	275 VAC
Max Discharge Current (Imax)	100kA 8/20 μ s	100kA 8/20 μ s
Nominal Discharge Current (In)	40kA 8/20 μ s	40kA 8/20 μ s
Voltage Protection Level (Up)	800 V @ 3 kA	800 V @ 3 kA
Voltage Protection Level (Up) @ In	1600V	1600V
Impulse Current (Iimp)	12.5kA 10/350 μ s	12.5kA 10/350 μ s
Distribution System	TN-C	TN-S

Catalog Number	DSD3100TNC275	DSD3100TNS275
Frequency	0 - 60 Hz	0 - 60 Hz
Protection Modes	L-N L-PE	L-N N-PE
Short Circuit Current Rating (SCCR)	25kA	25kA
Technology	MOV with thermal disconnect	MOV with thermal disconnect
Connection, Solid	35 mm ²	35 mm ²
Connection, Stranded	25 mm ²	25 mm ²
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	IP 20
Remote Contacts	Change-over contact (Form C dry) 250V~/0.5A, max 1.5 mm ²	Change-over contact (Form C dry) 250V~/0.5A, max 1.5 mm ²
Status Indication	Mechanical flag	Mechanical flag
Terminal Torque	3 N·m Max	3 N·m Max
Temperature	-40 to 80 °C	-40 to 80 °C
Depth (D)	70mm	70mm
Height (H)	90 mm	90 mm
Width (W)	54 mm	72 mm
Unit Weight	0.39 kg	0.54 kg
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 AS/NZS1768 Cat B, Cat C AS/NZS3000 IEC® 61643-11:2011	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 AS/NZS1768 Cat B, Cat C AS/NZS3000 IEC® 61643-11:2011

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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