

DT2 DIN Rail Surge Protection Class II, 1+0 Mode, 100 kA



Surges and voltage transients are a major cause of expensive electronic equipment failure and business disruption. Damage may result in the loss of capital outlays, such as computers and communications equipment, as well as consequential loss of revenue and profits due to unscheduled system down-time. nVent ERICO offers multiple series of surge protective devices (SPDs) suitable for a vast range of applications that provide reliable protection from voltage transients on power distribution systems. The DT2 Series DIN Rail Surge Protective Devices provide reliable and efficient protection against voltage transients within the IEC Class II and UL Type 1CA environments. Tested and independently certified to the IEC and UL standards, the DT2 Series provides a range of safety and performance features for the harshest environments and suitable for protection within a wide range of applications.

FEATURES

Compact, yet high surge rated pluggable design, using minimum DIN rail width

External back-up fuse is not required up to 315 A (IEC only)

Retaining clip ensures enhanced vibration and shock resistance performance

Red/Green status indication and change-over contacts standard for remote monitoring

SPECIFICATIONS

Catalog Number	DT2350R100
Nominal System Voltage (Un)	277 V
Max Continuous Operating Voltage (Uc)	350 V
Nominal Discharge Current (In), IEC	40kA 8/20 μ s
Max Discharge Current (Imax), IEC	100kA 8/20 μ s
Voltage Protection Level (Up)	1750V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA

Catalog Number	DT2350R100
Frequency	50 - 60 Hz
Response Time	25 ns Max
Protection Modes	L-PE N-PE L-N L-PEN
Short Circuit Current Rating (Isc cr)	25kA 50kA
Temporary Over Voltage 120 min (Ut/mode)	529 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	403V
Technology	Thermal Disconnect
Connection, Solid	35 mm ² Max
Connection, Stranded	25 mm ² Max
Torque (TQ)	4.5 N·m
Humidity	5 - 95
Temperature	-40 to 70 °C
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20
Mounting	35 mm top hat DIN rail
Remote Contact Switching Capacity	1 A @ 250 VAC 1 A @ 125 VAC 0.5 A @ 48 VDC 0.5 A @ 24 VDC 0.5 A @ 12 VDC
Remote Contacts	Yes
Status Indication	Mechanical flag
Depth (D)	69.09mm
Height (H)	89.92 mm
Width (W)	36.07 mm
Unit Weight	0.14 kg
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II
Replacement Module	DT2350M

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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