DT2 DIN RAIL SURGE PROTECTION CLASS II, 3+0 MODE, 277 V UN

CATALOG NUMBER

DT235030R



CERTIFICATIONS

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

PRODUCT ATTRIBUTES

- Nominal System Voltage (Un): 277 V
- Max Continuous Operating Voltage (Uc): 350 V
- Nominal Discharge Current (In), IEC: 20 kA 8/20 µs
- Max Discharge Current (Imax), IEC: 50 kA 8/20 µs
- Voltage Protection Level (Up): 1,750 V
- Back-Up Fuse @ Isccr: 250 A @ 50 kA;315 A @ 25 kA
- Frequency: 50 – 60 Hz
- Response Time: 25 ns Max
- Protection Modes: L-PEN

Short Circuit Current Rating (Isccr): 25 kA;50 kA

Temporary Over Voltage 120 min (Ut/mode): 529 V Withstand

Temporary Over Voltage Withstand 5 s (Ut): 403 V

Nominal Discharge Current (In), UL: 20 kA 8/20 µs

Short Circuit Current Rating (SCCR): 200 kA

Voltage Protection Rating (VPR): 1,000 V

Technology: Thermal Disconnect

Connection, Solid: #2 Max

Connection, Stranded: #4 Max

Torque: 3.32 ft lb

Humidity: 5 – 95 % RH

Temperature: -31 to 185 °F

Enclosure Material: UL® 94V-0 Thermoplastic

Enclosure Rating: IP 20

Mounting: 35 mm top hat DIN rail

Remote Contact Switching Capacity: 1.0 A @ 250 VAC;1.0 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: 2.720"

Height: 3.540"

Width: 2.130"

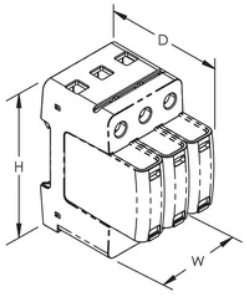
Unit Weight: 0.862 lb

Certification Details: UL® 1449 Edition 5 Type 1CA

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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