

DT2 DIN RAIL SURGE PROTECTION CLASS II, 4+0 MODE, 400 V UN

CATALOG NUMBER

DT248040R



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): 400 V
- Max Continuous Operating Voltage (Uc): 480 V
- Nominal Discharge Current (In), IEC: 20kA 8/20 μ s
- Max Discharge Current (Imax), IEC: 50kA 8/20 μ s
- Voltage Protection Level (Up): 2300V
- Back-Up Fuse @ Isccr: 250 A @ 50 kA; 315 A @ 25 kA
- Frequency: 50 - 60 Hz
- Response Time: 25 ns Max
- Protection Modes: L-PE; N-PE
- Short Circuit Current Rating (Isccr): 25kA; 50kA
- Temporary Over Voltage 120 min (Ut/mode): 762 V Safe Fail
- Temporary Over Voltage Withstand 5 s (Ut): 581V

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

Short Circuit Current Rating (SCCR): 200kA

Voltage Protection Rating (VPR): 1500V

Technology: Thermal Disconnect

Connection, Solid: #2 max

Connection, Stranded: #4 max

Torque (TQ): 3.32 ft·lbf

Humidity: 5 - 95

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 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): 2.72"

Height (H): 3.54"

Width (W): 2.84"

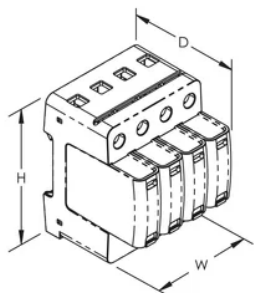
Unit Weight: 1.2 lb

Certification Details: UL® 1449 Edition 5 Type 1CA

Complies With: EN 61643-11 Type 2; IEC® 61643-11 Class II

Replacement Module: DT2480M

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.

North America

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical Support

Europe

Netherlands:

+31 800-0200135

France:

+33 800 901 793

Europe

Germany:

800 1890272

Other Countries:

+31 13 5835404

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Shanghai:

+ 86 21 2412 1618/19

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