# DT1 DIN RAIL SURGE PROTECTION CLASS I+II 12.5 KA, 3+0 MODE, 240 V UN

## CATALOG NUMBER

**DT130030R**



## 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): 240 V
- Max Continuous Operating Voltage (Uc): 300 V
- Nominal Discharge Current (In), IEC: 20 kA 8/20 µs
- Max Discharge Current (Imax), IEC: 50 kA 8/20 µs
- Impulse Current (Iimp): 12.5 kA 10/350 µs
- Voltage Protection Level (Up): 1400 V
- Response Time: 25 ns max
- Back-Up Fuse @ Isccr: 250 A @ 50 kA A; 315 A @ 25 kA A
- Frequency: 50 – 60 Hz
- Short Circuit Current Rating (Isccr): 25 kA; 50 kA
- Protection Modes: L-PEN
- Temporary Over Voltage 120 min (Ut/mode): 442 V Safe Fail

Temporary Over Voltage Withstand 5 s (Ut): 337 V

Voltage Protection Rating (VPR): 900 V

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

Replacement Module: DT1300M

Short Circuit Current Rating (SCCR): 150 kA

Technology: Thermal Disconnect

Connection, Solid: #2 max

Connection, Stranded: #4 max

Torque: 3.32'·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: 0.5 A @ 12 VDC A; 0.5 A @ 24 VDC A; 0.5 A @ 48 VDC A; 1 A @ 125 VAC A; 1 A @ 250 VAC A

Remote Contacts: Yes

Status Indication: Mechanical flag

Depth: 3.35"

Height: 3.54"

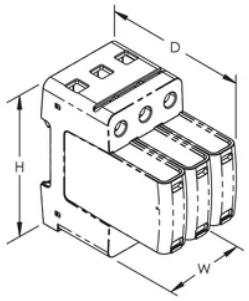
Width: 2.13"

Unit Weight: 1.13 lb

Certification Details: UL® 1449 Edition 5 Type 1CA

Complies With: EN 61643-11 Type 1, Type 2; IEC® 61643-11 Class I, Class II

## 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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