We connect and protect

DT1 DIN Rail Surge Protection Class I+II 12.5 kA, 2+0 Mode, 600 V Un

CATALOG NUMBER

DT175020R

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): 600 V
- Max Continuous Operating Voltage (Uc): 750 V
- Nominal Discharge Current (In), IEC: 20kA 8/20 µs
- Max Discharge Current (Imax), IEC: 35kA 8/20 µs
- Impulse Current (Iimp): 5kA 10/350 µs
- Voltage Protection Level (Up): 2700V
- Response Time: 25 ns Max
- Back-Up Fuse @ Isccr: 250 A @ 50 kA
- Frequency: 50 - 60 Hz
- Short Circuit Current Rating (Isccr): 50kA
- Protection Modes: L-N;N-PE
- Temporary Over Voltage 120 min (Ut/mode): 1143 V Safe Fail

Temporary Over Voltage Withstand 5 s (Ut): 871V

Voltage Protection Rating (VPR): 2500V

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

Replacement Module: DT1750M

Short Circuit Current Rating (SCCR): 150kA

Technology: Thermal Disconnect

Connection, Solid: 35 mm² Max

Connection, Stranded: 25 mm² Max

Torque (TQ): 4.5 N·m

Humidity: 5 - 95

Temperature: -35 to 85 °C

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;0.5 A @ 24 VDC;0.5 A @ 48 VDC;1 A @ 125 VAC;1 A @ 250 VAC

Remote Contacts: Yes

Status Indication: Mechanical flag

Depth (D): 92mm

Height (H): 90 mm

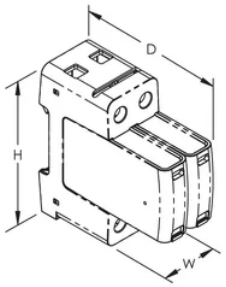
Width (W): 36 mm

Unit Weight: 0.4 kg

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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