

# EDT2 ENHANCED DIN RAIL SURGE PROTECTION CLASS II, 3+0 MODE, 240 V UN

## CATALOG NUMBER

**EDT230030R**



## CERTIFICATIONS



## FEATURES

Includes nVent ERICO TD Technology to ensure reliability throughout adverse voltage conditions

Enhanced temporary over voltage (TOV) withstand capability

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

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

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  $\mu$ s

Max Discharge Current (Imax), IEC: 50 kA 8/20  $\mu$ s

Voltage Protection Level (Up): 1,650 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 (I<sub>sc</sub>): 25 kA;50 kA

Temporary Over Voltage 120 min (U<sub>t</sub>/mode): 442 V Withstand

Nominal Discharge Current (I<sub>n</sub>), UL: 20 kA 8/20 μs

Short Circuit Current Rating (SCCR): 150 kA

Voltage Protection Rating (VPR): 1,200 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: 0.856 lb

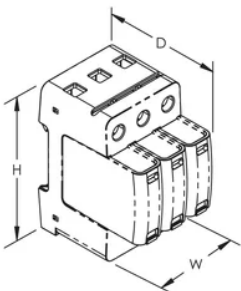
Certification Details: UL® 1449 Edition 5 Type 1CA

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

Replacement Module: EDT2300M

## DIAGRAMS

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## WARNING

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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](http://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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