

# EDT2 Enhanced DIN Rail Surge Protection Class II, 2+0 Mode

## Power Utilities



## 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

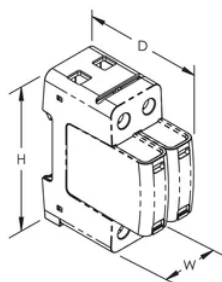
## SPECIFICATIONS

Catalog Number	EDT215020R
Nominal System Voltage (Un)	120 V

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Max Continuous Operating Voltage (Uc)	150 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)	1,250 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-N N-PE
Short Circuit Current Rating (Isccr)	25 kA 50 kA
Temporary Over Voltage 120 min (Ut/mode)	300 V Withstand
Nominal Discharge Current (In), UL	20 kA 8/20 µs
Short Circuit Current Rating (SCCR)	200 kA
Voltage Protection Rating (VPR)	700 V
Technology	Thermal Disconnect
Connection, Solid	35 mm² Max
Connection, Stranded	25 mm² Max
Humidity	5 – 95 % RH
Temperature	-35 to 85 °C
Enclosure Rating	IP 20
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
Height (H)	90 mm
Width (W)	36 mm
Unit Weight	0.264 kg
Certification Details	UL® 1449 Edition 5 Type 1CA
Replacement Module	EDT2150M

## 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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