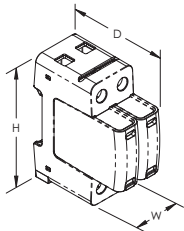


## EDT2 Enhanced DIN Rail Surge Protection Class II, 2+0 Mode – EDT235020R



- 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



Part Number	EDT235020R
Nominal System Voltage (Un)	277 V
Max Continuous Operating Voltage (Uc)	350 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)	1,750 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)	529 V Withstand
Nominal Discharge Current (In), UL	20 kA 8/20 $\mu$ s
Short Circuit Current Rating (SCCR)	200 kA
Voltage Protection Rating (VPR)	1,200 V
Technology	Thermal Disconnect
Connection, Solid	#2 Max
Connection, Stranded	#4 Max
Torque (TQ)	3.32 ft lb
Humidity	5 – 95 % RH
Temperature	-31 to 185 °F

Part Number	EDT235020R
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 (D)	2.72"
Height (H)	3.54"
Width (W)	1.42"
Unit Weight	0.64 lb
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II
Replacement Module	EDT2350M
Certifications	CE, ERICO EDT2 VDE
Standard Packaging Quantity	1 pc
UPC	78285693906

IEC is a registered trademark of the International Electrotechnical Commission. UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC. VDE is a registered trademark of VDE Verband Deutscher Elektrotechniker e.V. Corporation.

#### 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.erico.com](http://www.erico.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.

© 2020 nVent All rights reserved

nVent, nVent CADDY, nVent ERICO, nVent ERIFLEX and nVent LENTON are owned by nVent or its global affiliates.

All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without prior notice.