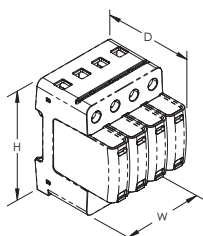


EDT2 Enhanced DIN Rail Surge Protection Class II, 3+1 Mode – EDT230031R



- 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	EDT230031R
Nominal System Voltage (Un)	240 V
Max Continuous Operating Voltage (Uc)	300 V L-N 305 V N-PE
Nominal Discharge Current (In), IEC	20 kA 8/20 μ s L-N 40 kA 8/20 μ s N-PE
Max Discharge Current (Imax), IEC	50 kA 8/20 μ s L-N 65 kA 8/20 μ s N-PE
Voltage Protection Level (Up), L-N	1,650 V
Voltage Protection Level (Up), N-PE	1,500 V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA
Frequency	50 – 60 Hz
Response Time, L-N	25 ns Max
Response Time, N-PE	100 ns Max
Protection Modes	L-N N-PE
Short Circuit Current Rating (Isccr)	25 kA 50 kA
Temporary Over Voltage 120 min (Ut/model), L-N	442 V Withstand
Temporary Over Voltage Withstand 200 ms (Ut), N-PE	1,200 V
Nominal Discharge Current (In), UL	20 kA 8/20 μ s
Short Circuit Current Rating (SCCR)	150 kA
Voltage Protection Rating (VPR), L-N	1,200 V
Voltage Protection Rating (VPR), N-PE	1,000 V

Part Number	EDT230031R
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
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)	2.84"
Unit Weight	0.812 lb
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II
Replacement Module	SGT240M EDT2300M
Certifications	CE, ERICO EDT2 cURus VDE
Standard Packaging Quantity	1 pc
UPC	78285693904
EAN-13	0782856939047

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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 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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