

EDT2 ENHANCED DIN RAIL SURGE PROTECTION CLASS II, 3+0 MODE



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

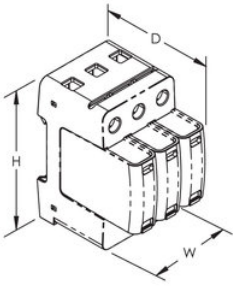
Red/Green status indication and change-over contacts standard for remote monitoring

SPECIFICATIONS

Product Attribute	SKU	SKU	SKU	SKU
Catalog Number	EDT215030R	EDT230030R	EDT235030R	EDT255030R
Nominal System Voltage (Un)	120 V	240 V	277 V	400 V
Max Continuous Operating Voltage (Uc)	150 V	300 V	350 V	550 V
Nominal Discharge Current (In), IEC	20 kA 8/20 μ s	20 kA 8/20 μ s	20 kA 8/20 μ s	20 kA 8/20 μ s
Max Discharge Current (Imax), IEC	50 kA 8/20 μ s	50 kA 8/20 μ s	50 kA 8/20 μ s	50 kA 8/20 μ s
Voltage Protection Level (Up)	1,250 V	1,650 V	1,750 V	2,500 V
Frequency	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz

Product Attribute	SKU	SKU	SKU	SKU
Response Time	25 ns Max	25 ns Max	25 ns Max	25 ns Max
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA	250 A @ 50 kA 315 A @ 25 kA	250 A @ 50 kA 315 A @ 25 kA	250 A @ 50 kA 315 A @ 25 kA
Protection Modes	L-PEN	L-PEN	L-PEN	L-PEN
Short Circuit Current Rating (Isccr)	25 kA 50 kA	25 kA 50 kA	25 kA 50 kA	25 kA 50 kA
Temporary Over Voltage 120 min (Ut/mode)	300 V Withstand	442 V Withstand	529 V Withstand	918 V Withstand
Nominal Discharge Current (In), UL	20 kA 8/20 µs	20 kA 8/20 µs	20 kA 8/20 µs	20 kA 8/20 µs
Short Circuit Current Rating (SCCR)	200 kA	150 kA	200 kA	200 kA
Voltage Protection Rating (VPR)	700 V	1,200 V	1,200 V	1,800 V
Technology	Thermal Disconnect	Thermal Disconnect	Thermal Disconnect	Thermal Disconnect
Torque(TQ)	3.32 ft lb	3.32 ft lb	3.32 ft lb	3.32 ft lb
Connection, Stranded	#4 Max	#4 Max	#4 Max	#4 Max
Connection, Solid	#2 Max	#2 Max	#2 Max	#2 Max
Humidity	5 – 95 % RH	5 – 95 % RH	5 – 95 % RH	5 – 95 % RH
Temperature	-31 to 185 °F	-31 to 185 °F	-31 to 185 °F	-31 to 185 °F
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20	IP 20	IP 20	IP 20
Mounting	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail
Remote Contacts	Yes	Yes	Yes	Yes
Status Indication	Mechanical flag	Mechanical flag	Mechanical flag	Mechanical flag
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	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	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	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
Depth(D)	2.720"	2.720"	2.720"	2.720"
Height(H)	3.540"	3.540"	3.540"	3.540"
Width(W)	2.130"	2.130"	2.130"	2.130"
Unit Weight	0.823 lb	0.856 lb	0.909 lb	0.962 lb
Certification Details	UL® 1449 Edition 4 Type 1CA	UL® 1449 Edition 4 Type 1CA	UL® 1449 Edition 4 Type 1CA	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II	EN 61643-11 Type 2 IEC® 61643-11 Class II	EN 61643-11 Type 2 IEC® 61643-11 Class II	EN 61643-11 Type 2 IEC® 61643-11 Class II
Replacement Module	EDT2150M	EDT2300M	EDT2350M	EDT2550M

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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