

EDT2 Enhanced DIN Rail Surge Protection Class II, 4+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

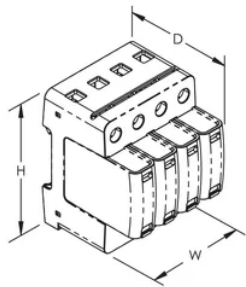
SPECIFICATIONS

Catalog Number	EDT215040R	EDT230040R	EDT235040R
Nominal System Voltage (Un)	120 V	240 V	277 V
Max Continuous Operating Voltage (Uc)	150 V	300 V	350 V

Catalog Number	EDT215040R	EDT230040R	EDT235040R
Nominal Discharge Current (In), IEC	20kA 8/20 μ s	20kA 8/20 μ s	20kA 8/20 μ s
Max Discharge Current (Imax), IEC	50kA 8/20 μ s	50kA 8/20 μ s	50kA 8/20 μ s
Voltage Protection Level (Up)	1250V	1650V	1750V
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
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Response Time	25 ns Max	25 ns Max	25 ns Max
Protection Modes	L-PE N-PE	L-PE N-PE	L-PE N-PE
Short Circuit Current Rating (Isccr)	25kA 50kA	25kA 50kA	25kA 50kA
Temporary Over Voltage 120 min (Ut/mode)	300 V Withstand	442 V Withstand	529 V Withstand
Nominal Discharge Current (In), UL	20kA 8/20 μ s	20kA 8/20 μ s	20kA 8/20 μ s
Short Circuit Current Rating (SCCR)	200kA	150kA	200kA
Voltage Protection Rating (VPR)	600V	1200V	1200V
Technology	Thermal Disconnect	Thermal Disconnect	Thermal Disconnect
Connection, Solid	35 mm ² Max	35 mm ² Max	35 mm ² Max
Connection, Stranded	25 mm ² Max	25 mm ² Max	25 mm ² Max
Torque (TQ)	4.5 N·m	4.5 N·m	4.5 N·m
Humidity	5 - 95	5 - 95	5 - 95
Temperature	-35 to 85 °C	-35 to 85 °C	-35 to 85 °C
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic
Enclosure Rating	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
Remote Contact Switching Capacity	1 A @ 250 VAC 1 A @ 125 VAC 0.5 A @ 48 VDC 0.5 A @ 24 VDC 0.5 A @ 12 VDC	1 A @ 250 VAC 1 A @ 125 VAC 0.5 A @ 48 VDC 0.5 A @ 24 VDC 0.5 A @ 12 VDC	1 A @ 250 VAC 1 A @ 125 VAC 0.5 A @ 48 VDC 0.5 A @ 24 VDC 0.5 A @ 12 VDC
Remote Contacts	Yes	Yes	Yes
Status Indication	Mechanical flag	Mechanical flag	Mechanical flag
Depth (D)	69mm	69mm	69mm

Catalog Number	EDT215040R	EDT230040R	EDT235040R
Height (H)	90 mm	90 mm	90 mm
Width (W)	72 mm	72 mm	72 mm
Unit Weight	0.5 kg	0.52 kg	0.55 kg
Certification Details	UL® 1449 Edition 5 Type 1CA	UL® 1449 Edition 5 Type 1CA	UL® 1449 Edition 5 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
Replacement Module	EDT2150M	EDT2300M	EDT2350M
Certifications	VDE, CE, ERICO EDT2	VDE, cUR, UR, CE, ERICO EDT2	VDE, CE, ERICO EDT2

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.

North America

+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical
Support

Europe

Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe

Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC

Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500



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