

EDT2 Enhanced DIN Rail Surge Protection Class II, 1+0 Mode



CERTIFICATIONS



VLASTNOSTI

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

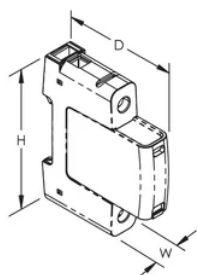
SPECIFIKACE

Katalogové číslo	EDT27510R	EDT230010R	EDT248010R
Nominal System Voltage (Un)	60 V	240 V	400 V
Max Continuous Operating Voltage (Uc)	75 V	300 V	480 V

Katalogové číslo	EDT27510R	EDT230010R	EDT248010R
Nominal Discharge Current (In), IEC	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs
Max Discharge Current (Imax), IEC	50kA 8/20 µs	50kA 8/20 µs	50kA 8/20 µs
Voltage Protection Level (Up)	800V	1650V	2300V
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-N L-PE L-PEN N-PE	L-PE N-PE L-PEN L-N	L-PE N-PE L-PEN L-N
Short Circuit Current Rating (Isccr)	25kA 50kA	25kA 50kA	25kA 50kA
Temporary Over Voltage 120 min (Ut/mode)	150 V Withstand	442 V Withstand	762 V Withstand
Nominal Discharge Current (In), UL	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs
Short Circuit Current Rating (SCCR)	85kA	150kA	200kA
Voltage Protection Rating (VPR)	500V	1200V	1800V
Technology	Thermal Disconnect	Thermal Disconnect	Thermal Disconnect
Connection, Solid	35 mm² Max	35 mm² Max	35 mm² Max
Connection, Stranded	25 mm² Max	25 mm² Max	25 mm² 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

Katalogové číslo	EDT27510R	EDT230010R	EDT248010R
Hĺoubka (D)	69mm	69mm	69mm
Height (H)	90 mm	90 mm	90 mm
Width (W)	18 mm	18 mm	18 mm
Unit Weight	0.13 kg	0.14 kg	0.15 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	EDT275M	EDT2300M	EDT2480M

DIAGRAMS



UPOZORNĚNÍ

Produkty nVent musí být instalovány a používány pouze tak, jak je uvedeno v instrukčních listech a materiálech pro školení nVent. Instrukční listy jsou k dispozici na www.nvent.com a od vašeho zástupce zákaznického servisu nVent. Nesprávná instalace, zneužití, nesprávné použití nebo jiný nedostatek úplného dodržování pokynů a varování nVent může způsobit selhání produktu, poškození majetku, vážné zranění osob a smrt a/nebo zrušit vaši záruku.

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