

DT1 DIN Rail Surge Protection Class I+II 12.5 kA, 1+0 Mode



CERTIFICATIONS



VLASTNOSTI

Compact, yet high surge rated pluggable design, using minimum DIN rail width

External back-up fuse is not required up to 315 A (IEC only)

Retaining clip ensures enhanced vibration and shock resistance performance

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

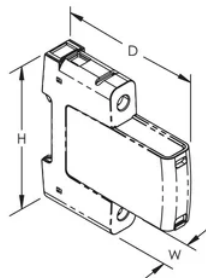
SPECIFIKACE

Katalogové číslo	DT130010R	DT148010R
Nominal System Voltage (Un)	240 V	400 V
Max Continuous Operating Voltage (Uc)	300 V	480 V
Nominal Discharge Current (In), IEC	20kA 8/20 µs	20kA 8/20 µs
Max Discharge Current (Imax), IEC	50kA 8/20 µs	50kA 8/20 µs
Impulse Current (Iimp)	12.5kA 10/350 µs	10kA 10/350 µs
Voltage Protection Level (Up)	1400V	2000V

Katalogové číslo	DT130010R	DT148010R
Response Time	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
Frequency	50 - 60 Hz	50 - 60 Hz
Short Circuit Current Rating (Isccr)	25kA 50kA	25kA 50kA
Protection Modes	L-PE L-PEN N-PE L-N	L-PE L-PEN N-PE L-N
Temporary Over Voltage 120 min (Ut/mode)	442 V Safe Fail	762 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	337V	571V
Voltage Protection Rating (VPR)	900V	1500V
Nominal Discharge Current (In), UL	20kA 8/20 µs	20kA 8/20 µs
Replacement Module	DT1300M	DT1480M
Short Circuit Current Rating (SCCR)	200kA	200kA
Technology	Thermal Disconnect	Thermal Disconnect
Connection, Solid	35 mm² Max	35 mm² Max
Connection, Stranded	25 mm² Max	25 mm² Max
Torque (TQ)	4.5 N·m	4.5 N·m
Humidity	5 - 95	5 - 95
Temperature	-35 to 85 °C	-35 to 85 °C
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20	IP 20
Mounting	35 mm top hat DIN rail	35 mm top hat DIN rail
Remote Contact Switching Capacity	0.5 A @ 12 VDC 0.5 A @ 24 VDC 0.5 A @ 48 VDC 1 A @ 125 VAC 1 A @ 250 VAC	0.5 A @ 12 VDC 0.5 A @ 24 VDC 0.5 A @ 48 VDC 1 A @ 125 VAC 1 A @ 250 VAC
Remote Contacts	Yes	Yes
Status Indication	Mechanical flag	Mechanical flag
Hloubka (D)	92mm	92mm
Height (H)	90 mm	90 mm
Width (W)	18 mm	18 mm
Unit Weight	0.18 kg	0.2 kg

Katalogové číslo	DT130010R	DT148010R
Certification Details	UL® 1449 Edition 5 Type 1CA	UL® 1449 Edition 5 Type 1CA
Complies With	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II

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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