

DT2 DIN Rail Surge Protection Class II, 1+0 Mode



CERTIFICATIONS



CARACTERISTICI

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

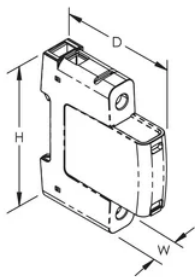
SPECIFICAȚII

Număr de catalog	DT27510R	DT230010R	DT248010R
Nominal System Voltage (Un)	60 V	240 V	400 V
Max Continuous Operating Voltage (Uc)	75 V	300 V	480 V
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

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Voltage Protection Level (Up)	800V	1500V	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-PE N-PE L-N L-PEN	L-PE N-PE L-N L-PEN	L-PE N-PE L-N L-PEN
Short Circuit Current Rating (Isccr)	25kA 50kA	25kA 50kA	25kA 50kA
Temporary Over Voltage 120 min (Ut/mode)	114 V Withstand	442 V Safe Fail	762 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	114V	337V	581V
Nominal Discharge Current (In), UL	20kA 8/20 μs	20kA 8/20 μs	20kA 8/20 μs
Short Circuit Current Rating (SCCR)	100kA	150kA	200kA
Voltage Protection Rating (VPR)	330V	900V	1500V
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
Height (H)	90 mm	90 mm	90 mm

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Width (W)	18 mm	18 mm	18 mm
Unit Weight	0.12 kg	0.14 kg	0.14 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	DT275M	DT2300M	DT2480M

DIAGRAMS



AVERTIZARE

Produsele nVent trebuie instalate și utilizate numai așa cum este indicat în fișele de instrucțiuni și materialele de formare ale nVent. Fișele de instrucțiuni sunt disponibile pe www.nvent.com și de la reprezentantul dvs. de servicii clienți nVent. O instalare incorectă, o utilizare abuzivă, o aplicare greșită sau orice altă lipsă de respectare completă a instrucțiunilor și avertismentelor nVent poate duce la defectarea produsului, la deteriorarea proprietății, la răniri corporale grave și moarte și/sau poate anula garanția dvs.

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