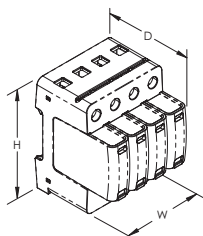


DT2 DIN Rail Surge Protection Class II, 4+0 Mode



- 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



Part Number	DT230040R	DT248040R	DT255040R
Nominal System Voltage (Un)	240 V	400 V	480 V
Max Continuous Operating Voltage (Uc)	300 V	480 V	550 V
Nominal Discharge Current (In), IEC	20 kA 8/20 μ s		
Max Discharge Current (Imax), IEC	50 kA 8/20 μ s		
Voltage Protection Level (Up)	1.500 V	2.300 V	2.500 V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA		
Frequency	50 – 60 Hz		
Response Time	25 ns Max		
Protection Modes	L-PE N-PE		
Short Circuit Current Rating (Isccr)	25 kA 50 kA		
Temporary Over Voltage 120 min (Ut/ mode)	442 V Safe Fail	762 V Safe Fail	915 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	337 V	581 V	697 V
Nominal Discharge Current (In), UL	20 kA 8/20 μ s		
Short Circuit Current Rating (SCCR)	150 kA	200 kA	
Voltage Protection Rating [VPR]	900 V	1.500 V	2.000 V
Technology	Thermal Disconnect		
Connection, Solid	35 mm ² Max		
Connection, Stranded	25 mm ² Max		
Torque [TQ]	4,5 N-m		
Humidity	5 – 95 % RH		

Part Number	DT230040R	DT248040R	DT255040R
Temperature	-35 to 85 °C		
Enclosure Material	UL® 94V-0 Thermoplastic		
Enclosure Rating	IP 20		
Mounting	35 mm top hat DIN rail		35 mm DIN Rail, EN 60715
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 V 0,5 A @ 48 VDC 0,5 A @ 24 V 0,5 A @ 12 V
Remote Contacts	Yes		
Status Indication	Mechanical flag		
Depth (D)	69 mm		
Height (H)	90 mm		
Width (W)	72 mm		
Unit Weight	0,505 kg	0,545 kg	0,544 kg
Certification Details	UL® 1449 Edition 4 Type 1CA		
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II		
Replacement Module	DT2300M	DT2480M	DT2550M
Certifications	CE, ERICO DT2 Series cURus VDE		–

IEC is a registered trademark of the International Electrotechnical Commission. UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC. VDE is a registered trademark of VDE Verband Deutscher Elektrotechniker e.V. Corporation.

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.erico.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.

© 2021 nVent All rights reserved

nVent, nVent CADDY, nVent ERICO, nVent ERIFLEX and nVent LENTON are owned by nVent or its global affiliates.

All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without prior notice.