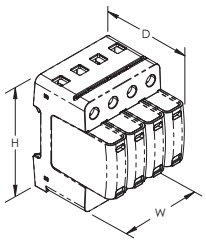
DT2 DIN Rail Surge Protection Class II, 3+1 Mode

- Compact, yet high surge rated pluggable design, using minimum DIN rail width
- External back-up fuse is not required up to 315 A
- Retaining clip ensures enhanced vibration and shock resistance performance
- Red/Green status indication and change-over contacts standard for remote monitoring



Part Number	DT230031R
Nominal System Voltage (Un)	240 V
Max Continuous Operating Voltage (Uc)	300 V L-N 305 V N-PE
Nominal Discharge Current (In), IEC	20 kA 8/20 µs L-N 40 kA 8/20 µs N-PE
Max Discharge Current (Imax), IEC	50 kA 8/20 µs L-N 65 kA 8/20 µs N-PE
Voltage Protection Level (Up), L-N	1,500 V
Voltage Protection Level (Up), N-PE	1,500 V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA
Response Time, L-N	25 ns Max
Response Time, N-PE	100 ns Max
Protection Modes	L-N N-PE
Short Circuit Current Rating (Isccr)	25 kA 50 kA
Temporary Over Voltage 120 min (Ut/mode), L-N	442 V Safe Fail
Temporary Over Voltage Withstand 200 ms (Ut), N-PE	1,200 V
Temporary Over Voltage Withstand 5 s (Ut), L-N	337 V
Nominal Discharge Current (In), UL	20 kA 8/20 µs
Short Circuit Current Rating (SCCR)	150 kA
Voltage Protection Rating (VPR), L-N	1,200 V
Voltage Protection Rating (VPR), N-PE	1,000 V
Technology	Thermal Disconnect
Connection, Solid	35 mm² Max

Part Number	DT230031R
Connection, Stranded	25 mm² Max
Torque (TQ)	4.5 N-m
Humidity	5 – 95 % RH
Temperature	-40 to 70 °C
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20
Mounting	35 mm top hat DIN rail
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
Remote Contacts	Yes
Status Indication	Mechanical flag
Depth (D)	69 mm
Height (H)	90 mm
Width (W)	72 mm
Unit Weight	0.486 kg
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II

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.

© 2018 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.

nVent
ERICO