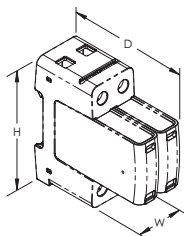


## DT1 DIN Rail Surge Protection Class I+II 12.5 kA, 2+0 Mode – DT175020R



- 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	DT175020R
Nominal System Voltage (Un)	600 V
Max Continuous Operating Voltage (Uc)	750 V
Nominal Discharge Current (In), IEC	20 kA 8/20 µs
Max Discharge Current (Imax), IEC	35 kA 8/20 µs
Impulse Current (Iimp)	5 kA 10/350 µs
Voltage Protection Level (Up)	2,700 V
Response Time	25 ns Max
Back-Up Fuse @ Isccr	250 A @ 50 kA
Frequency	50 – 60 Hz
Short Circuit Current Rating (Isccr)	50 kA
Protection Modes	L-N N-PE
Temporary Over Voltage 120 min (Ut/mode)	1143 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	871 V
Voltage Protection Rating (VPR)	2,500 V
Nominal Discharge Current (In), UL	20 kA 8/20 µs
Replacement Module	DT1750M
Short Circuit Current Rating (SCCR)	150 kA
Technology	Thermal Disconnect
Connection, Solid	#2 Max
Connection, Stranded	#4 Max
Torque (TQ)	3.32 ft lb
Humidity	5 – 95 % RH
Temperature	-31 to 185 °F
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20

Part Number	DT175020R
Mounting	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 1.0 A @ 125 VAC 1.0 A @ 250 VAC
Remote Contacts	Yes
Status Indication	Mechanical flag
Depth (D)	3.35"
Height (H)	3.54"
Width (W)	1.42"
Unit Weight	0.88 lb
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II
Standard Packaging Quantity	1 pc
UPC	78285693846

IEC is a registered trademark of the International Electrotechnical Commission. UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC.

#### 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](http://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.

© 2020 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.