

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

Power Utilities



CERTIFICATIONS



FEATURES

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

SPECIFICATIONS

Catalog Number	DT17511R
Nominal System Voltage (Un)	60 V
Max Continuous Operating Voltage (Uc)	305 V N-PE 75 V L-N
Voltage Protection Level (Up), L-N	700 V

Catalog Number	DT17511R
Voltage Protection Level (Up), N-PE	1,500 V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA
Frequency	50 – 60 Hz
Response Time, L-N	25 ns Max
Response Time, N-PE	100 ns Max
Short Circuit Current Rating (Isccr)	25 kA 50 kA
Protection Modes	L-N N-PE
Temporary Over Voltage 120 min (Ut/mode), L-N	114 V Withstand
Temporary Over Voltage Withstand 200 ms (Ut), N-PE	1,200 V
Temporary Over Voltage Withstand 5 s (Ut), L-N	114 V
Nominal Discharge Current (In), UL	20 kA 8/20 µs
Replacement Module	DT175M
Voltage Protection Rating (VPR), L-N	330 V
Voltage Protection Rating (VPR), N-PE	1,500 V
Short Circuit Current Rating (SCCR)	100 kA
Technology	Thermal Disconnect
Connection, Solid	35 mm ² Max
Connection, Stranded	25 mm ² Max
Humidity	5 – 95 % RH
Temperature	-35 to 85 °C
Enclosure Rating	IP 20
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
Height (H)	90 mm
Width (W)	36 mm
Unit Weight	0.324 kg
Certification Details	UL® 1449 Edition 5 Type 1CA

DIAGRAMS



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.nvent.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.



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