

DT2 DIN RAIL SURGE PROTECTION CLASS II, 1+1 MODE



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

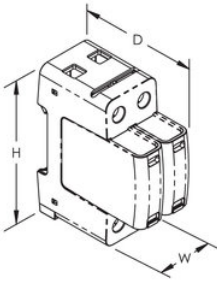
Red/Green status indication and change-over contacts standard for remote monitoring

SPECIFICATIONS

Product Attribute	Value
Catalog Number	DT27511R
Nominal System Voltage (Un)	60 V
Max Continuous Operating Voltage (Uc)	305 V N-PE 75 V L-N
Nominal Discharge Current (In), IEC	20 kA 8/20 μ s L-N 40 kA 8/20 μ s N-PE
Max Discharge Current (Imax), IEC	50 kA 8/20 μ s L-N 65 kA 8/20 μ s N-PE
Voltage Protection Level (Up), L-N	800 V
Voltage Protection Level (Up), N-PE	1,500 V
Response Time, N-PE	100 ns Max
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA

Product Attribute	Value
Frequency	50 – 60 Hz
Response Time, L-N	25 ns Max
Short Circuit Current Rating (Iscrr)	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 μ s
Short Circuit Current Rating (SCCR)	100 kA
Voltage Protection Rating (VPR), L-N	330 V
Voltage Protection Rating (VPR), N-PE	1,000 V
Technology	Thermal Disconnect
Torque(TQ)	3.32 ft lb
Connection, Stranded	#4 Max
Connection, Solid	#2 Max
Humidity	5 – 95 % RH
Temperature	-31 to 185 °F
Enclosure Material	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20
Mounting	35 mm top hat DIN rail
Remote Contacts	Yes
Status Indication	Mechanical flag
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
Depth(D)	2.720"
Height(H)	3.540"
Width(W)	1.420"
Unit Weight	0.505 lb
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II
Replacement Module	DT275M SGT240M

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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