

# 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

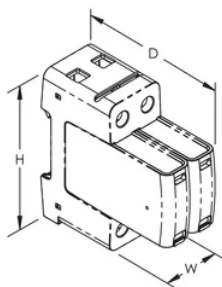
### SPECIFICATIONS

<b>Catalog Number</b>	<b>DT17511R</b>
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

<b>Catalog Number</b>	<b>DT17511R</b>
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 $\mu$ s
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 <sup>2</sup> Max
Connection, Stranded	25 mm <sup>2</sup> 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

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## WARNING

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