

31RMT415 EARTH LEAKAGE RELAY WITH 1 OPERATIN THRESHOULD, MODULAR, 35MM DIN (IEC/EN60715) RAIL MOUNTING. Ø28MM INCORPORATED CT. CONFIGURABLE FAIL SAFE FAIL SAFE, 110VAC/DC-240VAC-415VAC



Product designation Product type designation			Earth leakage relays RMT
General characteristics Description Control circut			Modular with transparent cover, 1 operating threshold
			Incorporated
Toroidal transformer			diam. 28mm/1.1"
Adjustments Tripping set-point (I∆n)	(x0.1) (x1)	A A	0.0250.25 0.252.5
	(x10)	А	2.525
Tripping delay time	(tx1) (tx10)	S S	0.020.5 0.25
Selection of multiplier for l∆n and t			By dip switches
Resetting			Configurable automatic or manual by button on front
Test Button			Yes
Shunt circuit control			No
Auxiliary supply Auxiliary rated supply voltage Us			110 125VAC/DC;220 240/380 415VAC
Operational limits			110 125VAC/DC or 220240VAC or 380415VAC
Output contacts			2
Rated frequency		Hz	5060
Power consumption Max Relay outputs		VA	3
Relay state			Configurable normally de- energised or energised
Contact arrangement			2 changeover SPDT each (both trip)



ENERGY AND AUTOMATION

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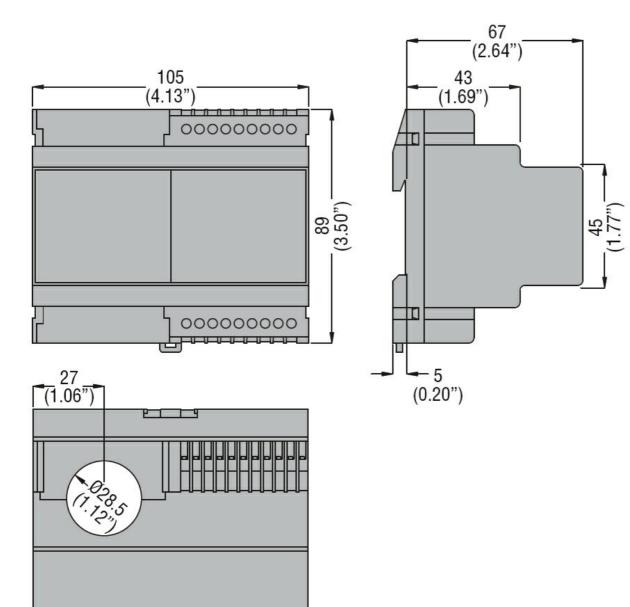
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Insulations Power frequency withstand voltage Indications Auxiliary voltage available (ON) Relay tripping (TRIP) Connections Terminals type Tightening torque for terminals Conductor section AWG/Kcmil min max IEC min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	kV Nm Ibin mm² mm² cycles cycles	2.5kV for 60s Green LED Red LED Fixed 0.5 4.5 24 12 0.2 2.5 50000000 300000
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Auxiliary voltage available (ON) Relay tripping (TRIP) Connections Terminals type Tightening torque for terminals Conductor section AWG/Kcmil AWG/Kcmil IEC min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature Operating temperature min max Storage temperature	lbin mm² mm² cycles	Red LED Fixed 0.5 4.5 24 12 0.2 2.5 50000000
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Tightening torque for terminals max max max max Conductor section AWG/Kcmil min max IEC min max Operations Mechanical life Electrical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	lbin mm² mm² cycles	0.5 4.5 24 12 0.2 2.5 50000000
Conductor section AWG/Kcmil AWG/Kcmil min max IEC min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	lbin mm² mm² cycles	4.5 24 12 0.2 2.5 50000000
Conductor section AWG/Kcmil min max IEC min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	lbin mm² mm² cycles	4.5 24 12 0.2 2.5 50000000
Conductor section AWG/Kcmil min min max IEC min Mechanical life min Electrical life Mechanical life Ambient conditions min Temperature Operating temperature Min max Storage temperature min	mm² mm² cycles	24 12 0.2 2.5 5000000
AWG/Kcmil 	mm² cycles	12 0.2 2.5 50000000
min max IEC IEC min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	mm² cycles	12 0.2 2.5 50000000
IEC min Operations max Mechanical life min Electrical life min Ambient conditions min Temperature min Operating temperature min Storage temperature min	mm² cycles	12 0.2 2.5 50000000
IEC min max Operations max Mechanical life min Electrical life min Ambient conditions min Temperature Operating temperature Min max Storage temperature	mm² cycles	0.2 2.5 50000000
min max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	mm² cycles	2.5 50000000
Max Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	mm² cycles	2.5 50000000
Operations Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	cycles	5000000
Mechanical life Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	-	
Electrical life Ambient conditions Temperature Operating temperature min max Storage temperature	-	
Ambient conditions Temperature Operating temperature	cycles	300000
Temperature Operating temperature min max Storage temperature		
Operating temperature min max Storage temperature		
min max Storage temperature		
maxStorage temperature	°.	10
Storage temperature	°C	-10
	°C	+60
	° 0	00
min	°C °C	-20
Max	°C %	+80
Relative humidity Housing	%	≤90%
		Self-extinguishing
Material		polycarbonate
Mounting		35mm DIN rail
Degree of protection		IP20 terminals
Dimensions (W x H x D)	mm	105x89x72
Weight		375
Dimensions [mm (in)]	g	

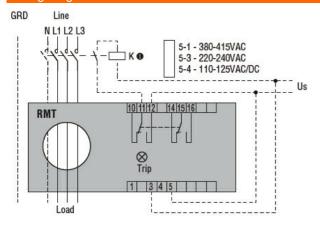
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Wiring diagrams



Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

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EAC

ETIM classification

ETIM 8.0

EC001445 -Residual current monitoring relay

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