



Product designation				Earth leakage relays	
Product type designation				RM1	
General characteristics					
Description				Modular with transparent cover, 1 operating threshold	
N° of operating threshold				1	
Control circuit					
Toroidal transformer				External	
Adjustments					
		Tripping set-point ($I\Delta n$)	(x1)	A	0.3 or 0.5
		Tripping delay time	(tx1)	s	0.02 or 0.5
Resetting				Configurable automatic or manual by button on front	
Test Button				Yes	
Shunt circuit control				No	
Auxiliary supply					
Auxiliary rated supply voltage U_s				110...125VAC/DC;220...240/380...415VAC	
Operational limits				110...125VAC/DC or 220...240VAC or 380...415VAC	
Output contacts				1	
Rated frequency			Hz	50...60	
Power consumption Max			VA	3	
Relay outputs					
Relay state				Normally de-energised	
Contact arrangement				1 changeover SPDT (trip)	
Rated contact capacity IEC I_{th}				5A - 250VAC	
Insulations					
Power frequency withstand voltage			kV	2.5kV for 60s	
Indications					
Auxiliary voltage available (ON)				Green LED	
Relay tripping (TRIP)				Red LED	
Connections					

Terminals type	Fixed		
Tightening torque for terminals	max	Nm	0.5
	max	lbin	4.5

Conductor section	AWG/Kcmil		
	min		24
	max		12
	IEC		
	min	mm ²	0.2
	max	mm ²	2.5

Operations

Mechanical life	cycles	50000000
Electrical life	cycles	300000

Ambient conditions

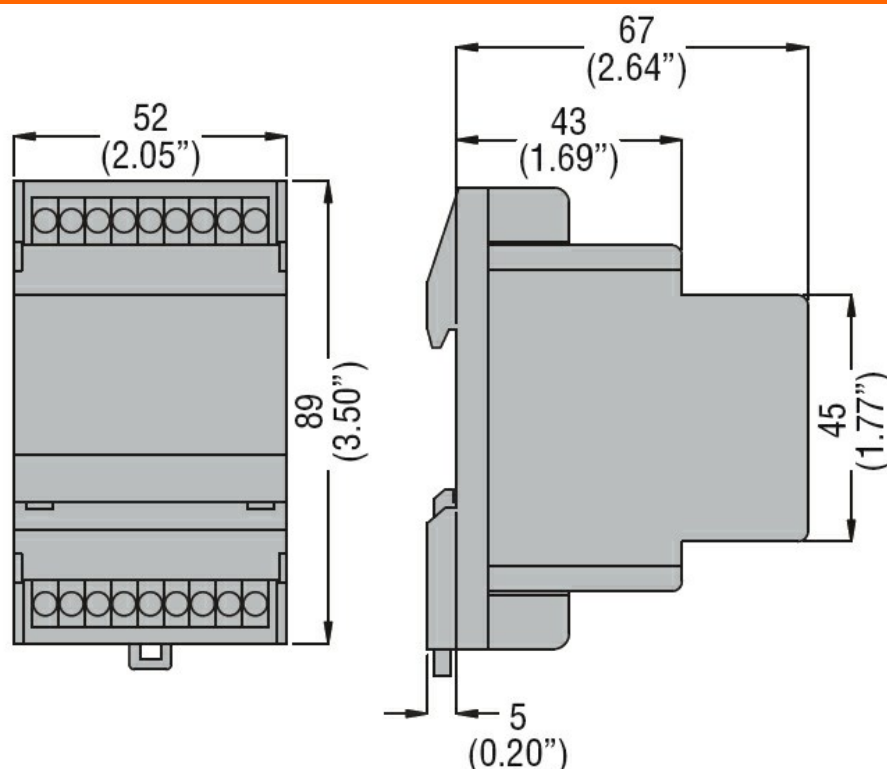
Temperature	Operating temperature		
	min	°C	-10
	max	°C	+60
	Storage temperature		
	min	°C	-20
	max	°C	+80

Relative humidity	%	≤90%
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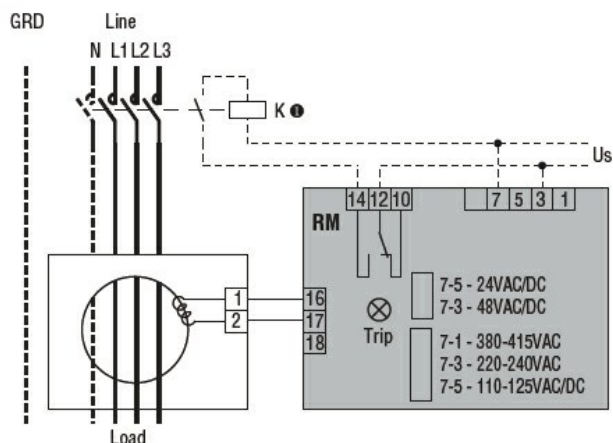
Housing

Material	Self-extinguishing polycarbonate	
Mounting	35mm DIN rail	
Degree of protection	IP20 terminals	
Dimensions (W x H x D)	mm	52x89x72
Weight	g	175

Dimensions



Wiring diagrams



Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

EAC

ETIM classification

ETIM 8.0

EC001445 -
Residual current
monitoring relay