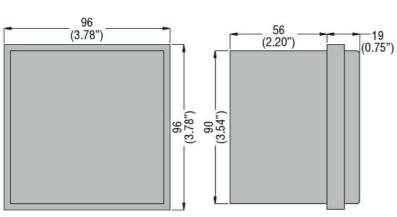
EARTH LEAKAGE RELAY WITH 1 OPERATIN THRESHOLD, FLUSH-MOUNT. EXTERNAL CT, 24-48VAC/DC

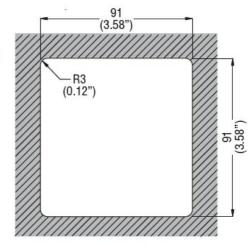


Product designation			Earth leakage relays
Product type designation			R1D
General characteristics Description			Flush mount with transparent cover, 1 operating threshold
N° of operating threshold			1
Control circut			
Toroidal transformer			External
Adjustments			
Tripping set-point (I∆n)			
	(x0.1)	Α	0.0250.25
	(x1)	Α	0.252.5
	(x10)	Α	2.525
	(external multiplier)	Α	25250
Tripping delay time	(c. 1)		
	(tx1)	S	0.020.5
	(tx10)	S	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			24-48VAC/DC
Output contacts			1
Rated frequency		Hz	5060
Power consumption Max		VA	5.5
Relay outputs			
Relay state			Normally de- energised
Contact arrangement			1 changeover SPDT (trip)
Rated contact capacity IEC Ith			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

EARTH LEAKAGE RELAY WITH 1 OPERATIN THRESHOLD, FLUSH-MOUNT. EXTERNAL CT, 24-48VAC/DC

Tightening torque for	terminals			
		max	Nm	0.5
		max	lbin	4.5
Conductor section				
	AWG/Kcmil			
		min		24
		max		12
	IEC			
		min	mm²	0.2
		max	mm²	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%
Housing				
Material				Self-extinguishing
				polycarbonate
Mounting				Flush mount
				IP40 with
Degree of protection				protecting cover,
<u></u>	D)			IP20 terminals
Dimensions (W x H x	D)		mm	96x96x75
Weight			g	280
Dimensions				



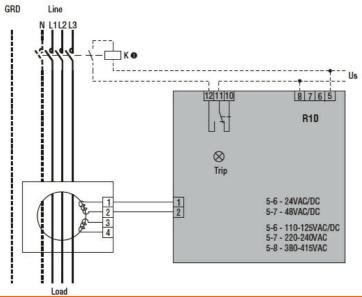


Wiring diagrams

ENERGY AND AUTOMATION

EARTH LEAKAGE RELAY WITH 1 OPERATIN THRESHOLD, FLUSH-MOUNT. EXTERNAL CT,

24-48VAC/DC



Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

EAC

ETIM classification

ETIM 8.0

EC001445 -Residual current monitoring relay