

Earth leakage relay with 2 operatin threshoulds, flush-mount. External CT. Fault current measurement. Digital display. Fail safe. Flag indicator, 110VAC/DC-240VAC-415VAC



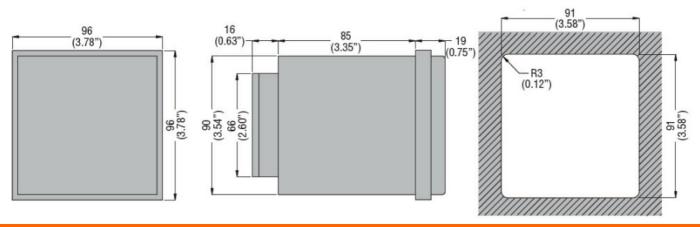
Product designation				Earth leakage
-				relays
Product type designation				R4D
General characteristic	S			
Description				Flush mount with display and cover, 2
				operating
				thresholds
Control circut				
Toroidal transformer				External
Adjustments				
•	Tripping set-point (I∆n)			
	11 3 1 ( )	(x0.1)	Α	0.030.3
		(x1)	Α	0.33
		(x10)	Α	330
		(external multiplier)	Α	30300
	Prealarm set-point	(Oxterrial manipher)	- , ,	
	r realaini set point		l∆n	70%l∆n (fixed)
	Tripping delay time		1/2/11	70701ΔIT (IIXCU)
	Tripping delay time	(tx1)		0.030.5
		(tx1) (tx10)	S	0.35
Colootion of multiplion	forly and t	(13.10)	S	
Selection of multiplier	for i∆n and t			By dip switches
				Automatic by
				remote contact
Resetting				closing. Manual
-				by button on front
				or remote contact
Took Dutton				closing
Test Button				Yes
Shunt circuit control				Yes
Auxiliary supply				
				110125/220
Auxiliary rated supply	voltage Us			240/380
				415VAC
				110125VAC or
Operational limits				220240VAC or
				380415VAC
Output contacts				2
Rated frequency			Hz	5060
Power consumption M	lax		VA	5.5
Relay outputs				
				Configurable
Relay state				normally de-
Rolay State				energised or
				energised

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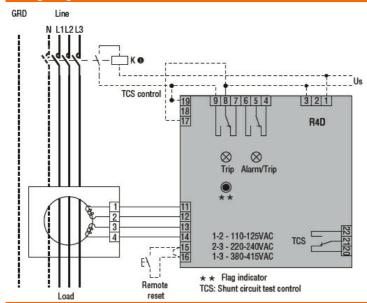
Contact arrangement				2 changeover SPDT each (configurable: 2 trip or 1 trip and 1 alarm)
Rated contact capacity IEC Ith				5A - 250VAC
Insulations				
Power frequency withstand voltage			kV	2.5kV for 60s
Indications				
Auxiliary voltage availal	ble (ON)			Green LED
Relay tripping (TRIP)				Red LED
Trip prealarm (ALARM)				Red LED
Mechanical (TRIP MEMORY)				Flag indicator
Shunt circuit tripping (TCS)				Red LED
Connections				
				Removable, plug-
Terminals type				in
Tightening torque for te	erminals			
geg .e. que .ee.		max	Nm	0.5
		max	lbin	4.5
Conductor section		max	10111	1.0
Conductor Section	AWG/Kcmil			
	AVORCHIII	min		24
				12
	IEC	max		12
	IEC		ma ma 2	0.0
		min	mm²	0.2
Oneretiens		max	mm²	2.5
Operations				5000000
Mechanical life			cycles	5000000
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
- Ivialeriai				polycarbonate
Mounting				Flush mount
				IP40 with
Degree of protection				protecting cover,
				IP20 terminals
Dimensions (W x H x D) mm			mm	96x96x120
Weight			g	570
Dimensions				

**ENERGY AND AUTOMATION** 

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## Wiring diagrams



Type	Us	Us Wiring	TCS Wiring
	110-125VAC	(2007ea)	17-18
R4D 415	220-240VAC	2-3	17-18
	380-415VAC	1-3	17-19

## Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

EAC

ETIM classification

**ETIM 8.0** 

EC001445 -Residual current monitoring relay