R1D23072

EARTH LEAKAGE RELAY TYPE A, WITH 1 OPERATING THRESHOLD, FLUSH-MOUNT 72X72MM, EXTERNAL CT, AUXILIARY SUPPLY VOLTAGE 110-230VAC.

General characteristics				
Description				Flush mount with transparent cover, 1 operating threshold
Residual operation characteristic				Type A
N° of operating threshold				1
Control circut				
Toroidal transformer				External
Adjustments				
	Tripping set-point (IΔn)			
		(x0.1)	A	0.025...0.25
		(x1)	A	0.25...2.5
		(x10)	A	2.5...25
		(external multiplier)	A	25...250
	Tripping delay time			
		(tx1)	s	0.02...0.5
		(tx10)	s	0.2...5
Selection of multiplier for IΔn 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 220…240VAC or 380…415VAC
Output contacts				1
Rated frequency			Hz	50...60
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
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			

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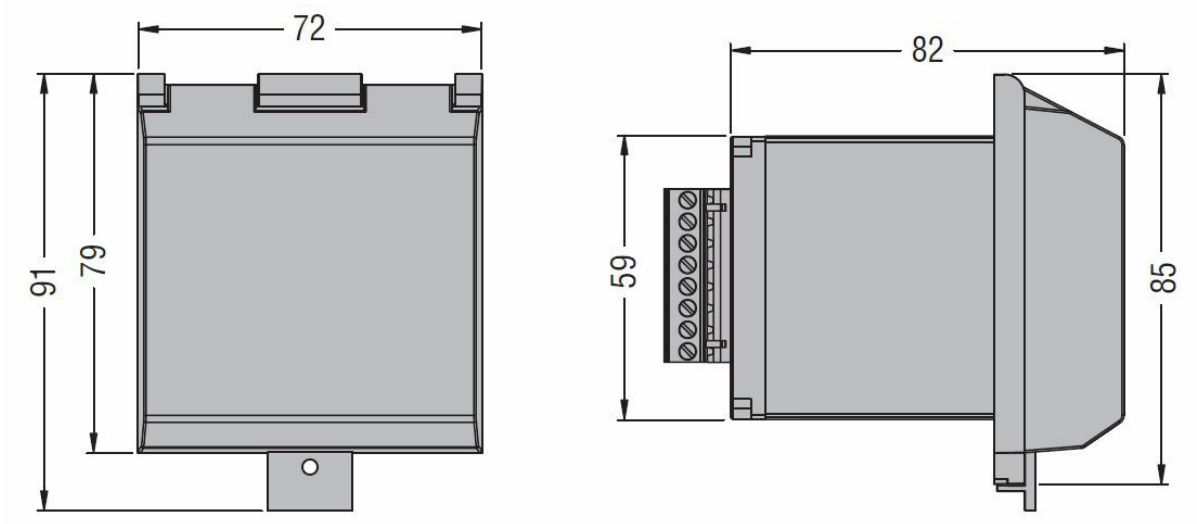
		min	°C	-10
		max	°C	+60
	Storage temperature			
		min	°C	-20
		max	°C	+80
Relative humidity			%	≤90%

Housing

Material				Self-extinguishing polycarbonate
Mounting				Flush mount
Degree of protection				IP40 with protecting cover, IP20 terminals
Dimensions (W x H x D)			mm	96x96x75
Weight			g	280

Dimensions



Wiring diagrams

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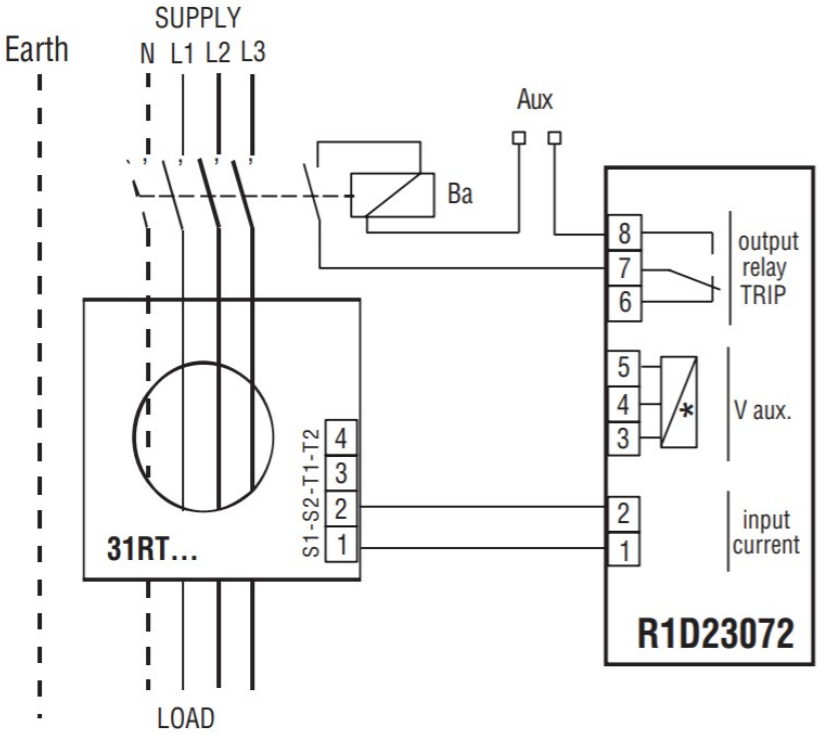
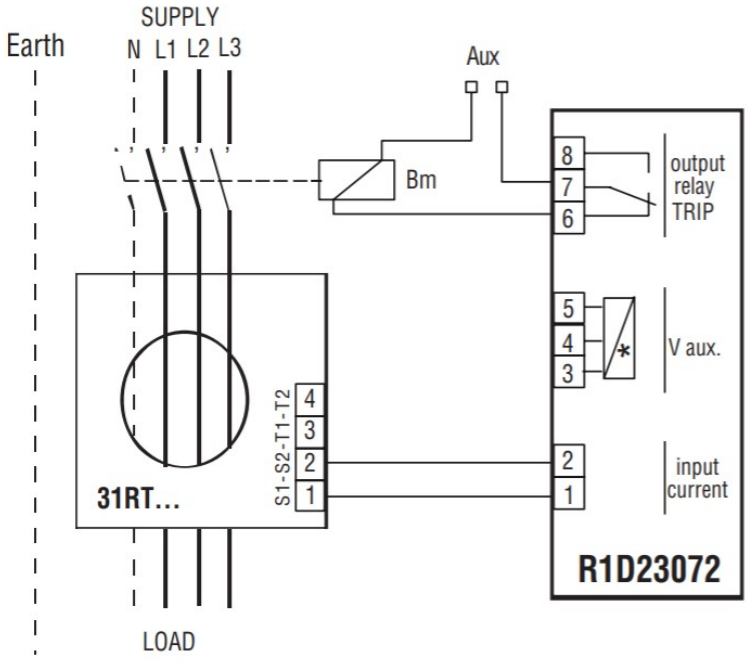


Wiring diagram with switch with opening coil.

The output contact can be used to signal at distance the relay tripped, it isn't connected at opening coils.

* power supply Uaux

R1D23072 110-230V
– terminals 3 - 5 = 220-240VAC
– terminals 3 - 4 = 110-125VAC/DC



Wiring diagram with switch with under voltage opening coil.

The output contact can be used to signal at distance the relay tripped, it isn't connected at opening coils.

* power supply Uaux

R1D23072 110-230V
– terminals 3 - 5 = 220-240VAC
– terminals 3 - 4 = 110-125VAC/DC

Certifications and compliance

Compliant with standards

CEI 41-1
CEI 64.8; EN 61008-1 (1999-11); EN 62020 (1999-09); EN 61543 (1996-09); EN61326-1 (1998-04); EN 61326/A1 (1999-05
IEC 255
IEC755
VDE 0664

ETIM classification

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ETIM 8.0

EC001445 - Residual current monitoring relay

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