



General characteristics

Description	Compact, 1 operating threshold
Residual operation characteristic	Type A
N° of operating threshold	1

Control circuit

Toroidal transformer	Incorporated diam. 80mm/3.15"
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Adjustments

Tripping set-point ($I_{\Delta n}$)

(x0.1)	A	0.025...0.25
(x1)	A	0.25...2.5
(x10)	A	2.5...25

Tripping delay time

(tx1)	s	0.02...0.5
(tx10)	s	0.2...5

Selection of multiplier for $I_{\Delta n}$ and t	By dip switches
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Resetting	Configurable automatic or manual by button on front
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Test Button	Yes
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Shunt circuit control	No
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Auxiliary supply

Auxiliary rated supply voltage U_s	110...125VAC/DC; 220...240/380...415VAC
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Operational limits	110...125VAC/DC or 220...240VAC or 380...415VAC
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Output contacts	1
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Rated frequency	Hz	50...60
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Power consumption Max	VA	3
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Relay outputs

Relay state	Normally de-energised
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Contact arrangement	1 changeover SPDT (trip)
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Rated contact capacity IEC I_{th}	5A - 250VAC
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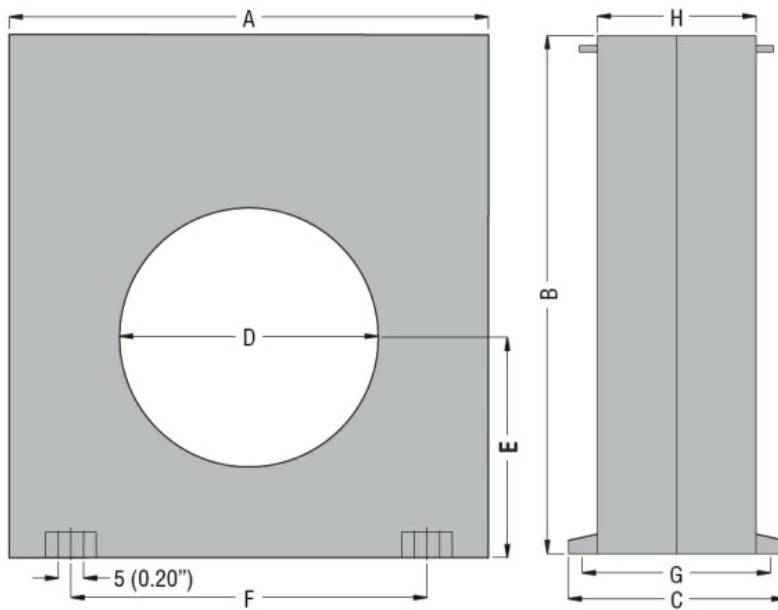
Insulations

Power frequency withstand voltage	kV	2.5kV for 60s
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Indications

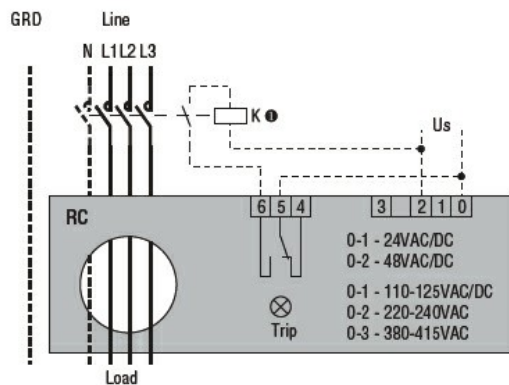
Auxiliary voltage available (ON)	Green LED
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Relay tripping (TRIP)			Red LED		
Connections					
Terminals type			Fixed		
Tightening torque for terminals			max	Nm	0.5
			max	lbin	4.5
Conductor section			AWG/Kcmil		
			min		24
			max		12
			IEC		
			min	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%	
Housing					
Material			Self-extinguishing polycarbonate		
Mounting			35mm DIN rail		
Degree of protection			IP20 terminals		
Dimensions (W x H x D)			mm	150x160x70	
Weight			g	485	
Dimensions					



TYPE	A	B	C	D	E	F	G	H
RC35	100 (3.94")	110 (4.33")	70 (2.75")	35 (1.38")	47 (1.85")	60 (2.36")	60 (2.36")	50 (1.97")
RC60	100 (3.94")	110 (4.33")	70 (2.75")	60 (2.36")	47 (1.85")	60 (2.36")	60 (2.36")	50 (1.97")
RC80	150 (5.90")	160 (6.30")	70 (2.75")	80 (3.15")	70 (2.75")	110 (4.33")	60 (2.36")	50 (1.97")
RC110	150 (5.90")	160 (6.30")	70 (2.75")	110 (4.33")	70 (2.75")	110 (4.33")	60 (2.36")	50 (1.97")

Wiring diagrams



Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

EAC

ETIM classification

ETIM 8.0

EC001445 -
Residual current
monitoring relay