



General characteristics

Description				Compact, 1 operating threshold	
Residual operation characteristic				Type A	
N° of operating threshold				1	
Control circuit					
Toroidal transformer				Incorporated diam. 110mm/4.33"	
Adjustments					
Tripping set-point (IΔn)		(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 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				24-48VAC/DC	
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 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	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

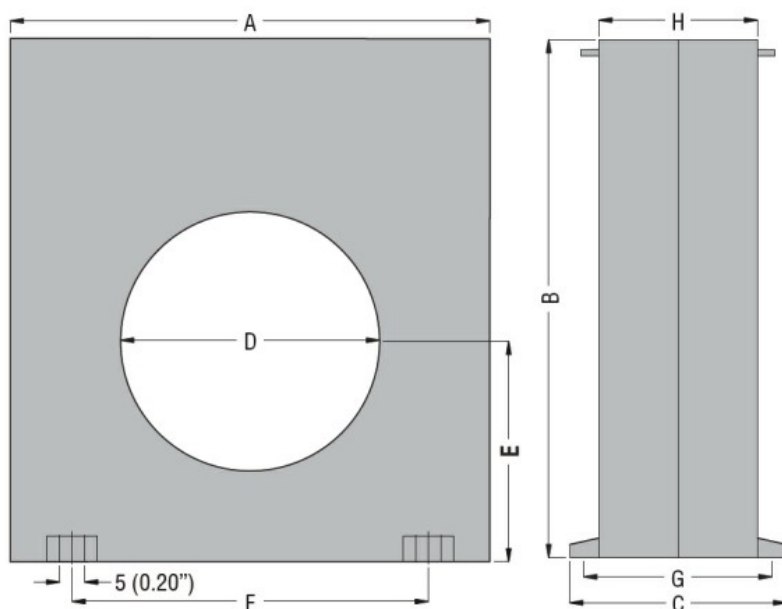
min	°C	-20
max	°C	+80

Relative humidity	%	≤90%
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Housing

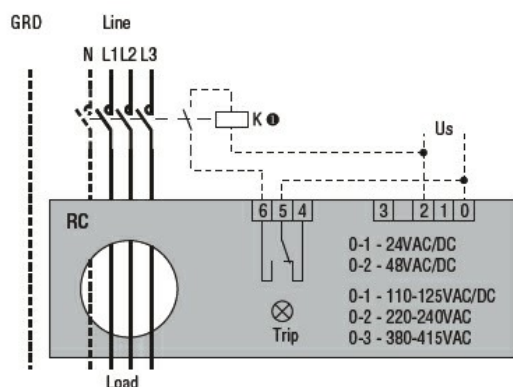
Material	Self-extinguishing polycarbonate	
Mounting	35mm DIN rail	
Degree of protection	IP20 terminals	
Dimensions (W x H x D)	mm	150x160x70
Weight	g	485

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