

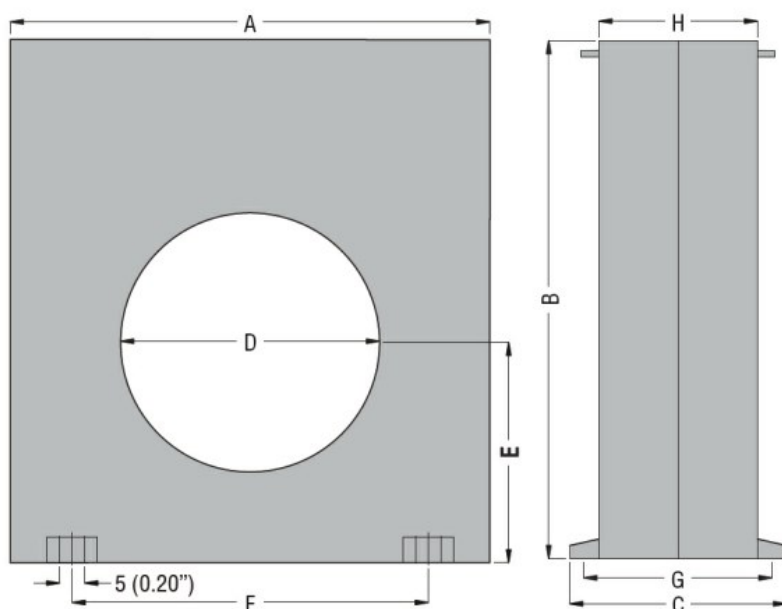


|                                       |  |        |    |                                                     |
|---------------------------------------|--|--------|----|-----------------------------------------------------|
| Product designation                   |  |        |    | Earth leakage relays                                |
| Product type designation              |  |        |    | RC                                                  |
| General characteristics               |  |        |    |                                                     |
| Description                           |  |        |    | Compact, 1 operating threshold                      |
| 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 | Ibin   | 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%     |

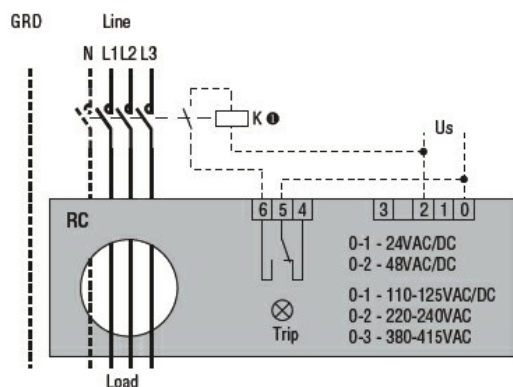
|                        |  |    |  |                                  |
|------------------------|--|----|--|----------------------------------|
| <b>Housing</b>         |  |    |  |                                  |
| Material               |  |    |  | Self-extinguishing polycarbonate |
| Mounting               |  |    |  | 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