

## RI-CT050-EW Series



### easywire® Single Phase Moulded Case Current Transformers

- Patented technology
- From 40A to 100A Primary currents
- 330mV output
- Sealable RJ45 output connection
- Safe to leave transformer on load with output disconnected
- Supplied with DIN Rail mounting clip and mounting feet
- Indication of primary current flow (arrows on case body)
- 44mm width
- Ø21mm cable aperture

Ø 21mm

#### Product Description

The RI-CT050-EW Series forms part of a growing family of **easywire**® solid core single phase moulded case current transformers from Rayleigh Instruments.

These transformers are suitable for monitoring current flow in commercial, industrial or utility applications. They are designed to connect with any **easywire**® meter and are available with Primary current input ranges from 40A to 100A.

Built-in limiting circuitry ensures the secondary of the **easywire**® current transformer is always under load and clamped to a safe level. This means that the output connection may be safely disconnected while under load.

The RI-CT050-EW Series have been designed for ease of installation and are supplied with both DIN rail clip and fixing feet. They also have clear markings moulded into the case to indicate the correct direction of primary current flow to minimise installation errors.

#### Parameters

Primary Current	Output (RJ45)	Order Code
40A	330mV	040
50A	330mV	050
60A	330mV	060
75A	330mV	075
80A	330mV	080
100A	330mV	100

### Rated Standard

Rated Primary Current ( $I_{pr}$ )	40...100A
Frequency Range ( $f_R$ )	47...63Hz
Rated continuous over current ( $I_{cth}$ )	1.2 x rated current
Rated short time thermal current ( $I_{th}$ )	<60 $I_n$
Rated dynamic current ( $I_{dyn}$ )	2.5 $I_{th}$
Instrument security factor (FS)	≤5
Rated Secondary output ( $I_{sr}$ )	330mV
Accuracy class	Class 1 to IEC/EN61869-2

### Insulation

Insulation type	Dry transformer, air insulation; Class B
Highest voltage ( $U_m$ )	0.72kV r.m.s.
Rated insulation level	3kV r.m.s. 50Hz/1 min

### Environmental Conditions

Reference temperature	23°C ±1°C
Nominal temperature range	-25°C...50°C
Daily mean temperature	≤30°C
Limit temperature range for storage	-40°C...85°C
Relative humidity	≤85% non condensing

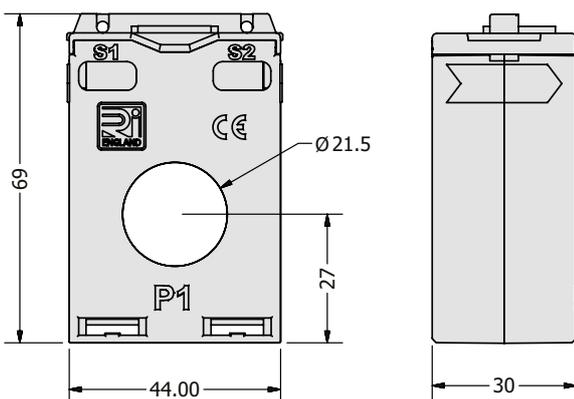
### Housing

Housing material	Self extinguishing polycarbonate
Protection degree (IEC/EN60529)	IP40 housing, Terminals IP20
Mounting	Foot mounting, or snap on 35mm DIN rail mounting
Weight	≤200g

### Connections

Primary winding	Passing cable
Secondary winding	RJ45 connection

### Dimensions (mm)



### Accessories

The RI-CT050-EW series of current transformers come supplied with fixing feet and a robust DIN rail mounting clip.



### Information Required with Order

Build your order number - example	RI-CT050-EW	040
Model		
Primary Current Range - See Parameters Table 'Order Code'		