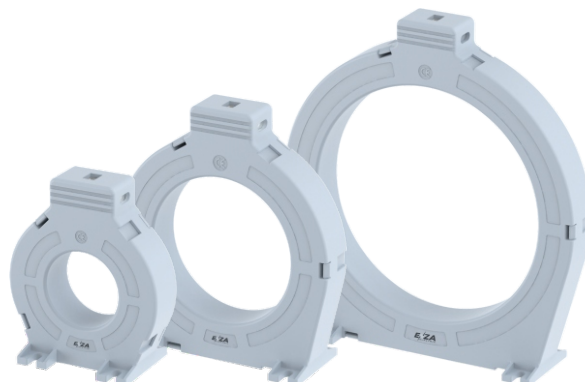


### Features:

- ◆ Compact Design (Shallow Depth)
- ◆ Available in many common aperture sizes (35...310mm).
- ◆ Single and Three Phase system compatible.
- ◆ Surface mounted using integral moulded fixing feet.
- ◆ Designed to detect residual leakage current in earth leakage applications.
- ◆ High sensitivity and accurate.



### Specifications

Connection type	Single or 3 phase (3 wire and 4 wire)
Rated system voltage	720Vac
Rated insulation level	3kV 50Hz for 1 minute
Rated impulse voltage	8kV 1,2/50μS
Transformation ratio	1000:1
Maximum continuous current	RI-CBCT35 : 100A RI-CBCT70 : 200A RI-CBCT120 : 600A (250A without screening tube) RI-CBCT210 : 1600A (400A without screening tube) RI-CBCT310 : 2000A (630A without screening tube)
Rated frequency	47...63Hz
Minimum IΔN relay setting to avoid nuisance tripping	See table

### Environment

Reference temperature	23°C ±2°C
Max distance between toroid and relay	50 metres (Max.)
Ambient temperature	-10°C...+55°C
Storage temperature	-20°C...+75°C
Relative humidity	0...95%, non condensing

### Mechanical

<b>Housing</b>	
Housing material	Self-extinguishing polycarbonate (UL94-0)
Mounting	4 x Integral mounting feet
Tamper sealing	None
Secondary current connection	Screw type - rising clamp
Max wire size	0.2...3.0mm <sup>2</sup>
Max tightening torque	0.4 N.m.

### Certifications

CE RoHS

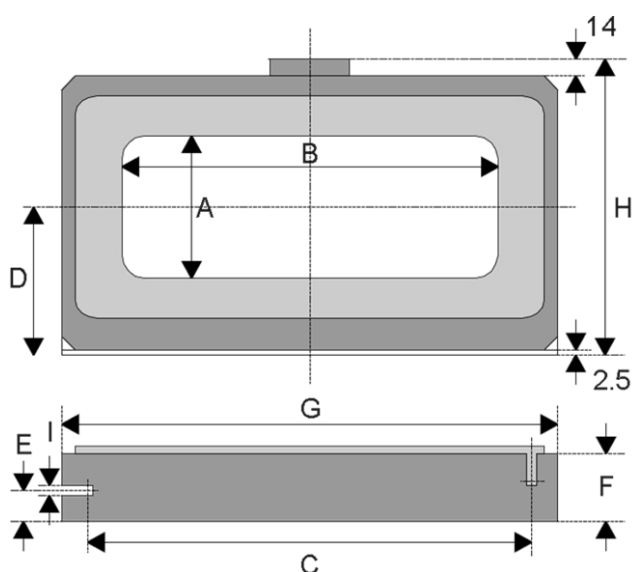
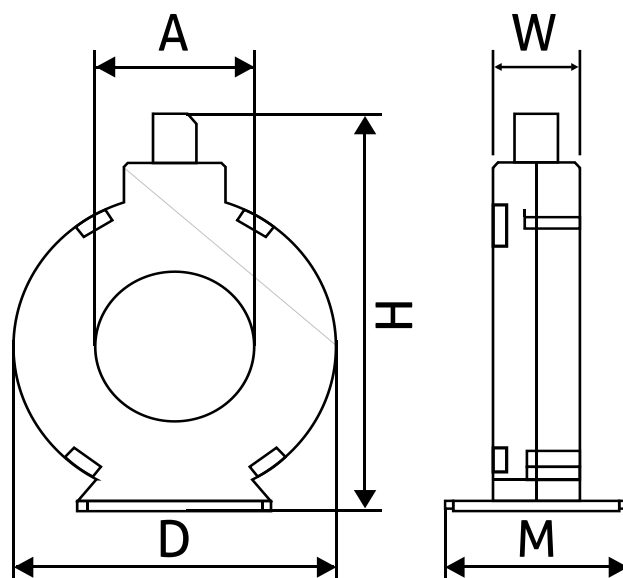


### Minimum $I_{\Delta N}$ relay setting to avoid nuisance tripping

Model	Aperture $\varnothing$ (mm)	Without screening tube			With screening tube		
		$I_n$ (A)	$I_{\Delta n}$ Min (A)	$I_{max}$ (A)	$I_n$ (A)	$I_{\Delta n}$ Min (A)	$I_{max}$ (A)
ENCBP35	35	100	0.03	600	N/A	N/A	N/A
ENCBP70	70	200	0.03	1200	N/A	N/A	N/A
ENCBP120	120	250	0.1	1500	600	0.03	4200
ENCBP210	210	400	0.3	2400	1600	0.03	9600
ENCBP310	310	630	1	3780	2000	0.03	12000

### Dimensions

Model	Dimensions in mm				
	D	A	H	W	M
ENCBP35	70	35	96	20	40
ENCBP70	107	70	131	25	40
ENCBP120	157	120	184	25	40
ENCBP210	268	210	270	25	55
ENCBP310	337	310	380	25	65
ENLBT600X500-Y					



Product Code	Inner Diameter
ENCBR-4040	Rectangular: 400x400
ENCBR-5040	Rectangular: 500x400
ENCBR-5050	Rectangular: 500x500
ENCBR-6050	Rectangular: 600x500
ENCBR-6060	Rectangular: 600x600
ENCBR-7050	Rectangular: 700x500

### Connection Diagram

Typical connection examples are shown below.

