

Type: BZCTR115 & 150

Rectangular Toroids

- ❑ For use in conjunction with Broyce "Type A" Earth Leakage Relays
- ❑ Designed to detect leakage current and transmit a proportional signal to an Earth Leakage Relay
- ❑ Suitable for installations that use busbars
- ❑ Two sizes available



INSTALLATION NOTE

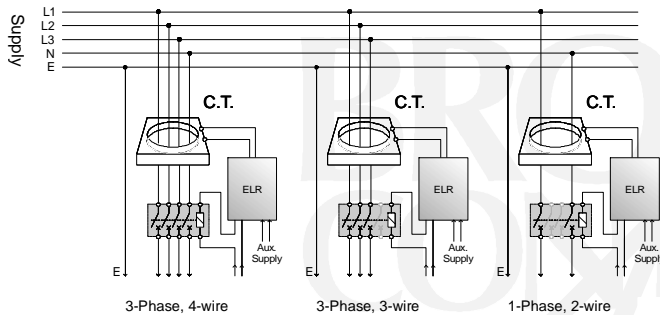


Installation work must be carried out by qualified personnel.

- BEFORE INSTALLATION, ISOLATE THE SUPPLY TO THE BUSBARS/CONDUCTORS THAT ARE TO BE PASSED THROUGH THE TOROID.
- Installation of the toroid, along with the Earth Leakage Relay must be carried out in accordance with the latest wiring practices and regulations.

CONNECTION EXAMPLES

Typical connection examples are shown below.



TECHNICAL SPECIFICATION

Size availability and part number:
115 x 305mm (BZCTR115)
150 x 350mm (BZCTR150)

Current ratio: 1/1000

Rated supply voltage: 720V AC

Rated insulation voltage: 3kV AC

Distance between toroid and relay: 50 metres (max.)

Ambient temp: -10 to +50°C

Relative humidity: +95%

Housing: Self extinguishing, shock resistant, black ABS

Mounting: Using fixing slots provided on metal bracket

Approvals: CE Compliant.

INSTALLATION DO's and DONT's

- Correct installation of the Earth Leakage Relay and toroid should ensure trouble free operation, in particular, if this document is followed.

1. Always ensure the Earth conductor DOES NOT pass through the toroid. If it is unavoidable, the Earth must be routed back through the toroid again and around.
2. Ensure the busbars are located centrally in the toroid. (Fig.1)
3. Place the toroid on a straight section of the busbars, not near a bend.
4. Keep the busbars and toroid away from intense magnetic fields from nearby equipment.
5. DO NOT pass individual busbars through separate toroids.

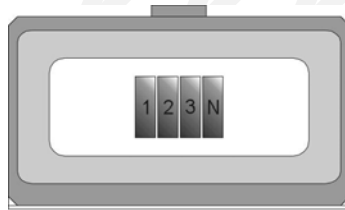


Fig. 1

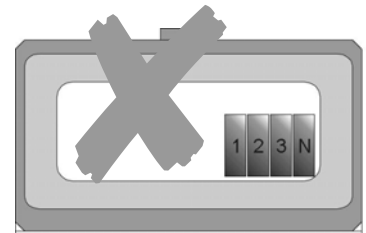
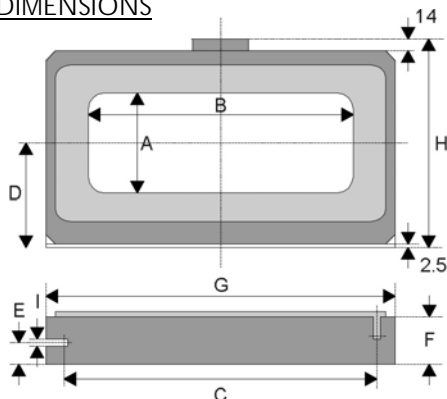


Fig. 2

DIMENSIONS



Toroid Type:	A	B	C	D	E	F	G	H	I	Weight
BZCTR115	115	305	360	116	25	55	402	240	8	5.45kg
BZCTR150	150	350	415	140	28	55	460	285	8	7.40kg

Dimensions in mm