



- For use in up to 690VAC system for earth current detection
- For both isolated and grounded systems
- For land, marine and offshore installations
- For use with Megacon's KPM162x, KCM162x, KPM362x, KCM362x, KPM363x, KCM363x, KRM162x and ISOPAK series

Specifications

System Voltage:	Up to 690VAC, 30- 70Hz
Temperature:	-20 to +70°C
Front protection:	IP52
Ratio	2000/1A
Class	0,5
Flame retardant grade:	94-V0
Ambient humidity:	<85%

Terminal Connection



Description

MRCTx series are used as sensor to detect earth leakage current in Megacon Earth Fault Systems for selective monitoring and protection.

The transformers measuring accuracy and repeatability is high and is not influenced by the relative position of the individual conductor passing through the transformer core.

The epoxy resin casting encapsulation gives a good seismic resistance.

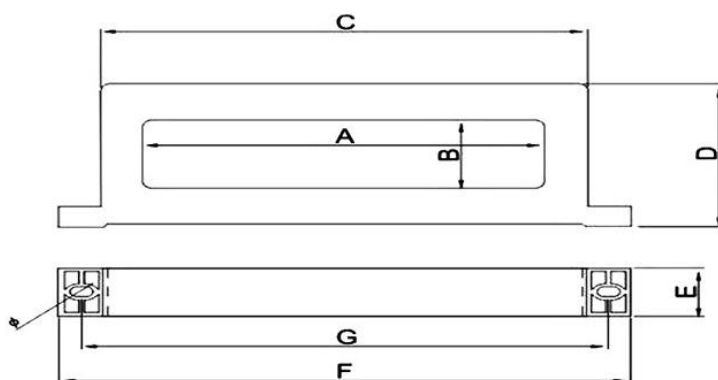
Nominal measuring range is 40 to 400Hz. Maximum ambient temperature +70 °C. The lower earth current sensitivity limit is in the region of 3 to 5 mA.

The recommended maximum distance between a residual current transformer and the Earth Current Monitoring Unit is generally 25meters. If the distance exceeds 3meters, or the connecting cable is exposed to heavy stray electromagnetic fields, the cable (minimum 1,5mm²) should be shielded. The shield should be grounded to protective earth (PE) **only** at the end closest to the monitoring unit.

Rectangular					
Type	Inner Diameter A x B (mm)	Weight (*kg)	D (*mm)	F (*mm)	E (*mm)
MRCT2015	200X150	0,75	200		24
MRCT3005	300X50	0,9	85	367	24
MRCT3015	300X150	1,2	200	367	24
MRCT3515	350X10	1,34	200	420	28
MRCT4005	400x50	0,9	85	468	24
MRCT4015	400X50	1,48	200	468	24
MRCT5015	500X100	1,55	200	569	28

(*) All sizes and weights are approximate and may vary (+/- few mm / gram) due to size of the transformer

Note: Other dimensions can be custom made



The MEGACON policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.