



Data Sheet

RISH CBCT

Core Balance Current Transformer



Measure



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About Product

- Conformity to Standard IEC 61869-1
- Compact design, Reliable and accurate.
- Designed to detect earth leakage current and transmit proportional signal to an Earth Leakage Relay
- UL approved CBCT**.
- Common wall mounting clamp for all sizes.
- Sealable cap for secondary terminal connections.
(Maximum sealing wire diameter should be 1.8mm)

Product Sizes and Weights:

Name	Size	Weight
RISH CBCT 38	38-71 (20)	0.12 Kg
RISH CBCT 57	57-97 (20)	0.15 Kg
RISH CBCT 70	70-109 (20)	0.18 Kg
RISH CBCT 120	120-153 (20)	0.29 Kg
RISH CBCT 210	210-250 (20)	0.51 Kg

Specification

Insulation Coordination	According to IEC 60664 - 1
Case	Nylon 6, 20% GF, FR (30) Black
Connection a) Value b) Wire Range	Screw Type Terminal Connection M2.5, 0.4Nm 0.5 ~ 2.5mm ² (suitable for pin type lug)
CT Ratio	600:1
Highest voltage for equipment (Um)	0.72 kV Maximum
Test Voltage	3kV, 50 Hz for 1 minute
Rated Frequency (fr)	50/60 Hz
Operating Current Range	30 mA - 30 A
Rated continuous thermal current (Icth)	100 A
Rated short-time thermal current (Ith)	60 x Ipr
Rated dynamic (peak withstand) current (Idyn)	2.5 x Ith
Ambient Temperature	-25°C to 55°C
Storage Temperature	-50°C to 80°C
Distance between ELR & CBCT	< 1 meter
Accuracy Class	3 & 15
Secondary Terminal	Protected to IP20

**CBCT with spring loaded connector available on request (without UL marking)



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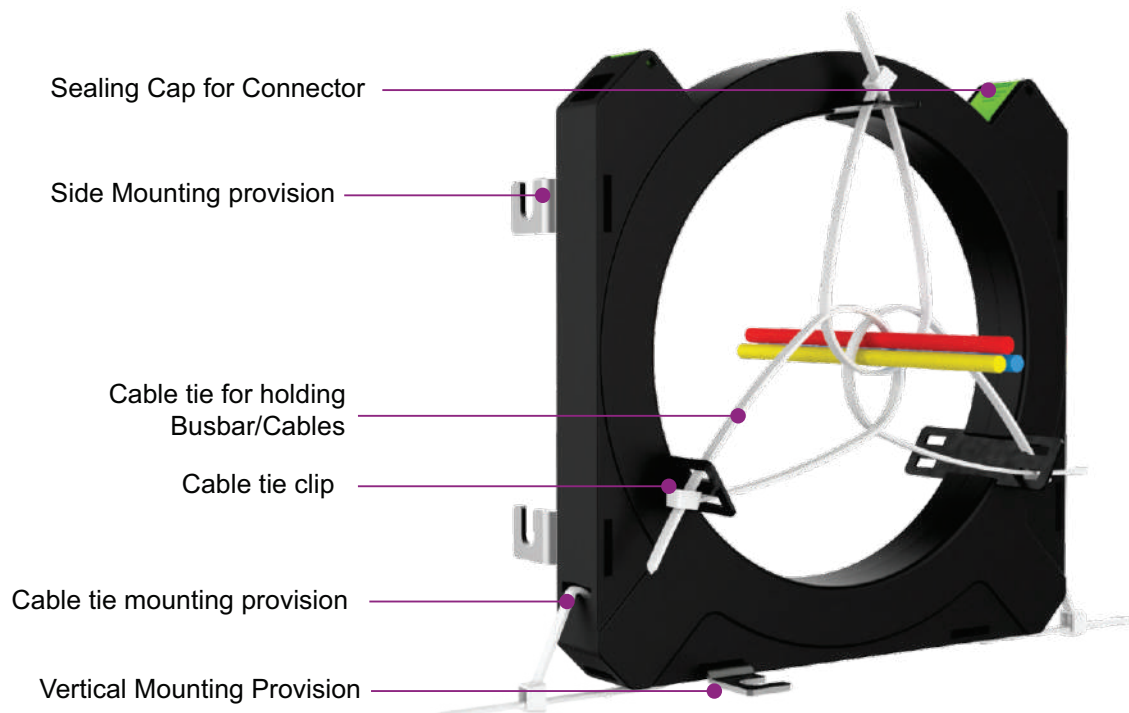


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Product Features :



Model ↓ /Features →	Mounting clamp for vertical mounting	Mounting clamp for Horizontal mounting	Cable Tie for vertical mounting	Cable Tie for Busbar Mounting Clip	Terminal Cap
RISH CBCT 38	✓	✗	✓	✗	✓
RISH CBCT 57	✓	✓	✓	✗	✓
RISH CBCT 70	✓	✓	✓	✗	✓
RISH CBCT 120	✓	✓	✓	✓	✓
RISH CBCT 210	✓	✓	✓	✓	✓



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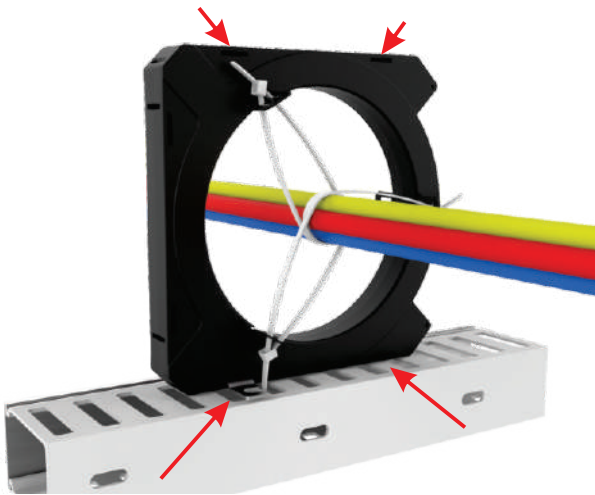


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Product Features :

- **Cap for Connector**

Protective cap for connectors on either side of the CT ensures that the terminal is well covered from external entities. The cap also contains provision for sealing.

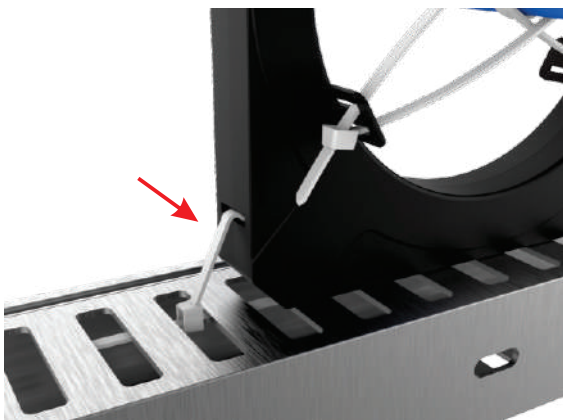
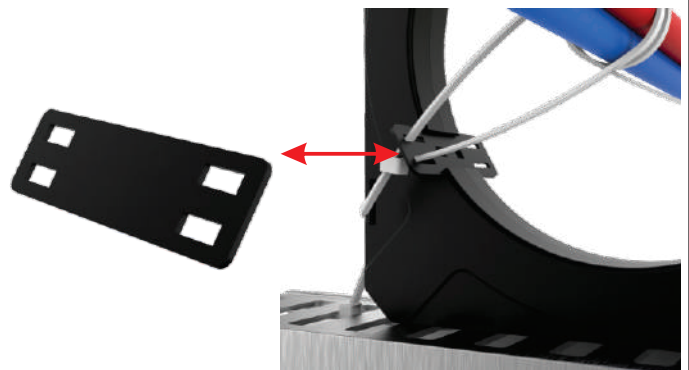


- **Cable tie Clips**

Cable tie clips are located on the CT to ensure that the busbar/cable is centrally aligned so as to get absolute output. The Cable tie clip should be ordered separately

- **Side Mounting Provision**

CBCT can be mounted both horizontally as well as vertically considering the practical challenges occurred while on site installation.



- **Vertical Cable Tie Mounting**

Vertical mounting is basically provided in all categories of CT, although vertical mounting with the help of cable tie gives more flexibility while on site installation.



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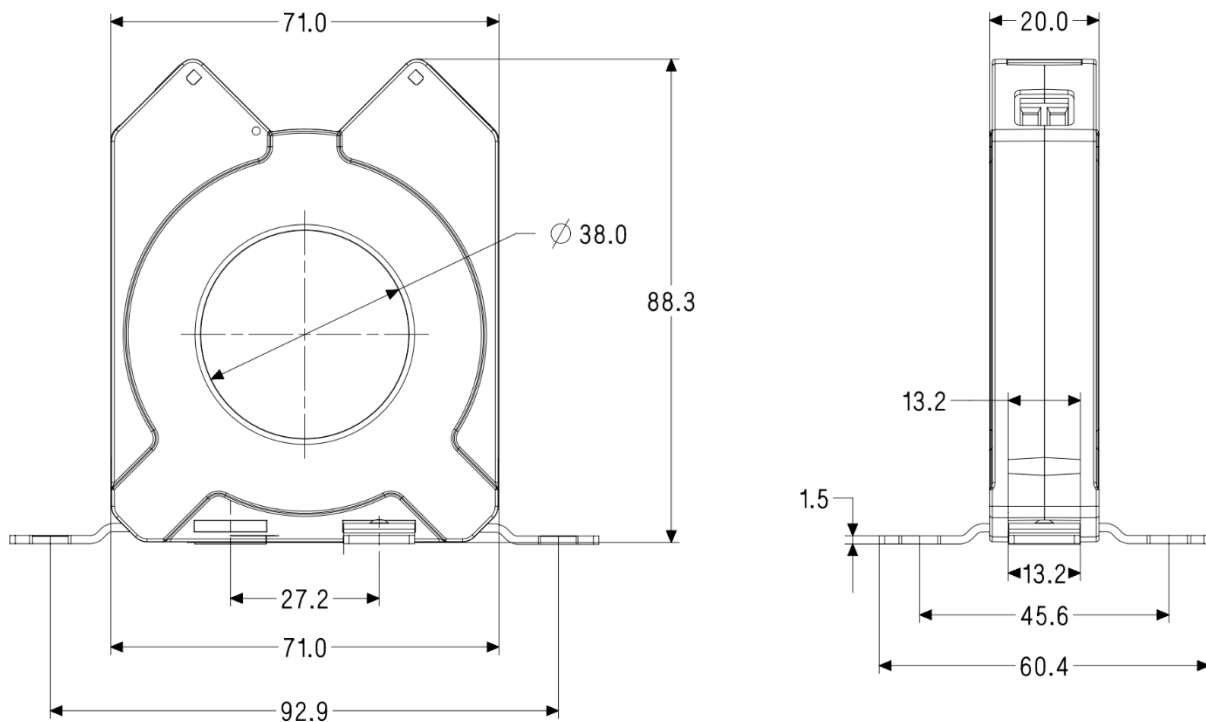


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RISH CBCT 38



Dimensional Details :



Ordering Code

CB08 - 0101000000000	CBCT 38/71/20 30MA-30A 600:1 CL3
CB08 - 0101002000000	CBCT 38B/71/20 30MA-30A 600:1 CL15%
CB13 - 0101000000000	CBCT 38/71 30MA-30A 600:1 CL3 spg LC



Measure



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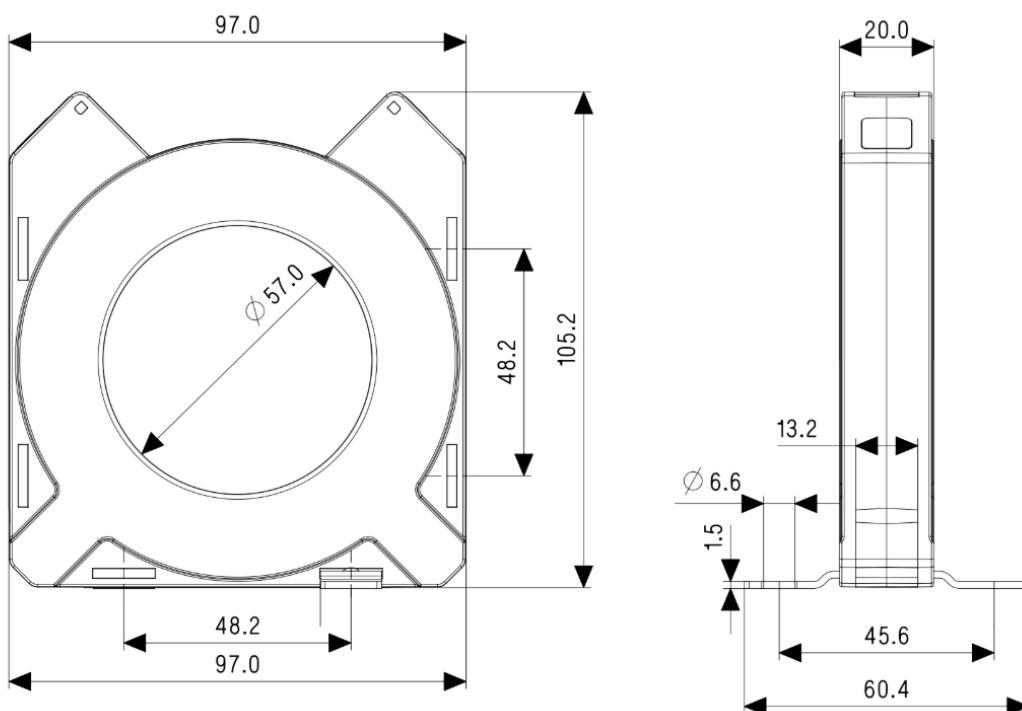


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RISH CBCT 57



Dimensional Details :



Ordering Code

CB09 - 0101000000000	CBCT 57/97/20 30MA-30A 600:1 CL3
CB09 - 0101002000000	CBCT 57B/97/20 30MA-30A 600:1 CL15%
CB13 - 0101000100000	CBCT 57/97 30MA-30A 600:1 CL3 spg.LC



Measure



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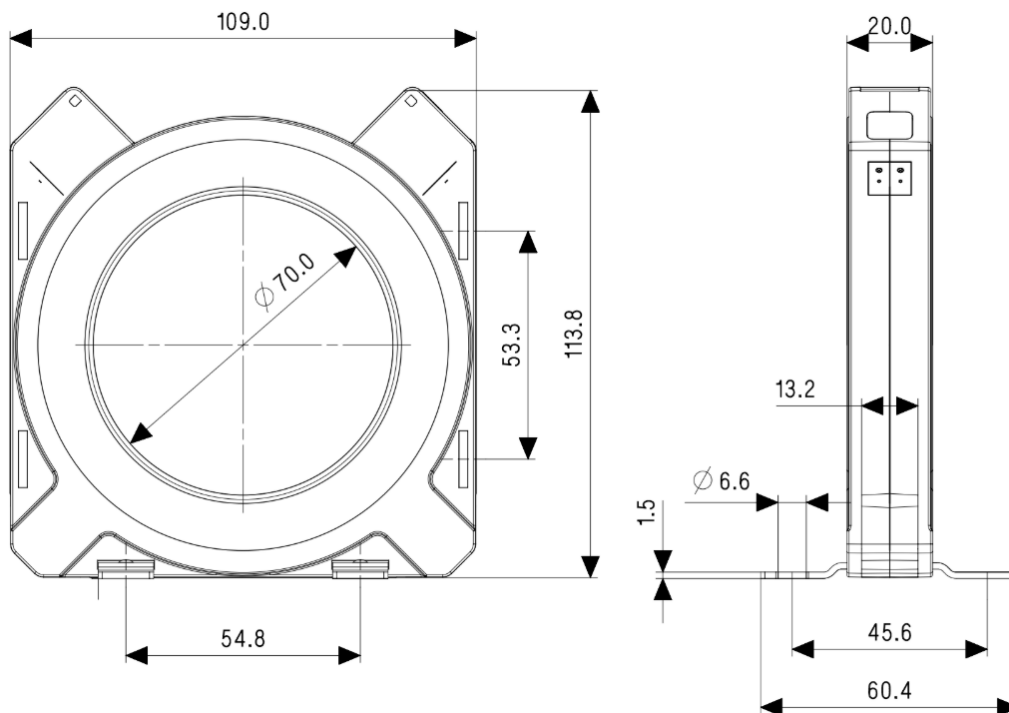


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RISH CBCT 70



Dimensional Details:



Ordering Code

CB10 - 0101000000000	CBCT 70/109/20 30MA-30A 600:1 CL3
CB10 - 0101002000000	CBCT 70B/109/20 30MA-30A 600:1 CL15%
CB13 - 0101000200000	CBCT 70/109 30MA-30A 600:1 CL3 spg. LC



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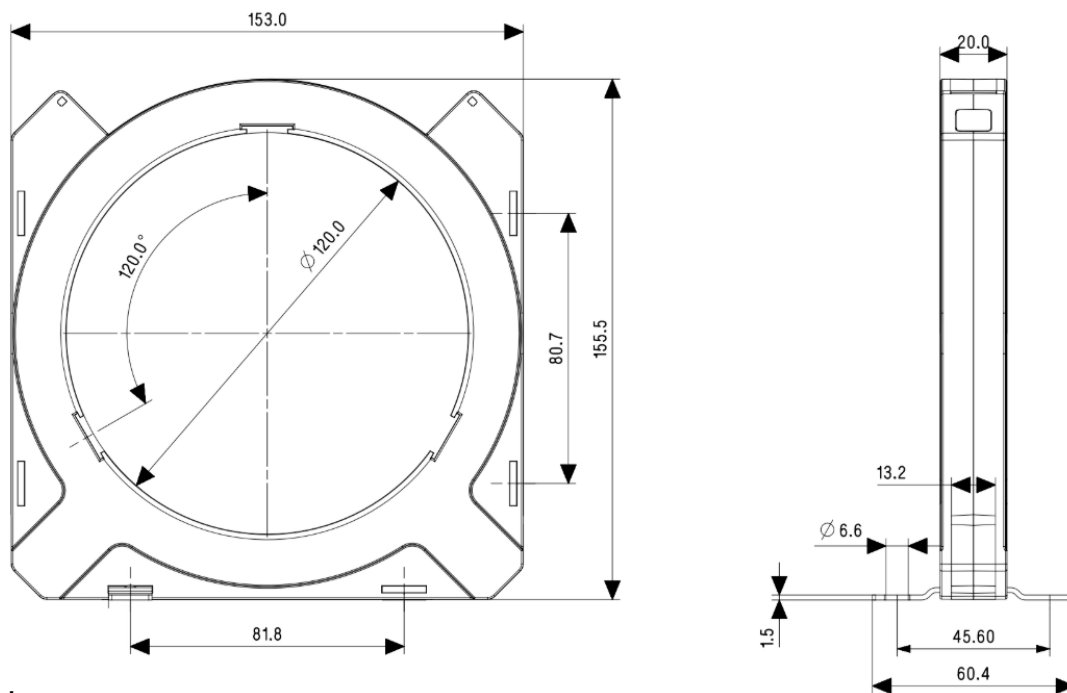


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RISH CBCT 120



Dimensional Details:



Ordering Code

CB11-0101000000000	CBCT 120/153/20 30MA-30A 600:1 CL3
CB11-0101002000000	CBCT 120B/153/20 30MA-30A 600:1 CL15%
CB13-0101000300000	CBCT 120/153 30MA-30A 600:1 CL3 spg. LC



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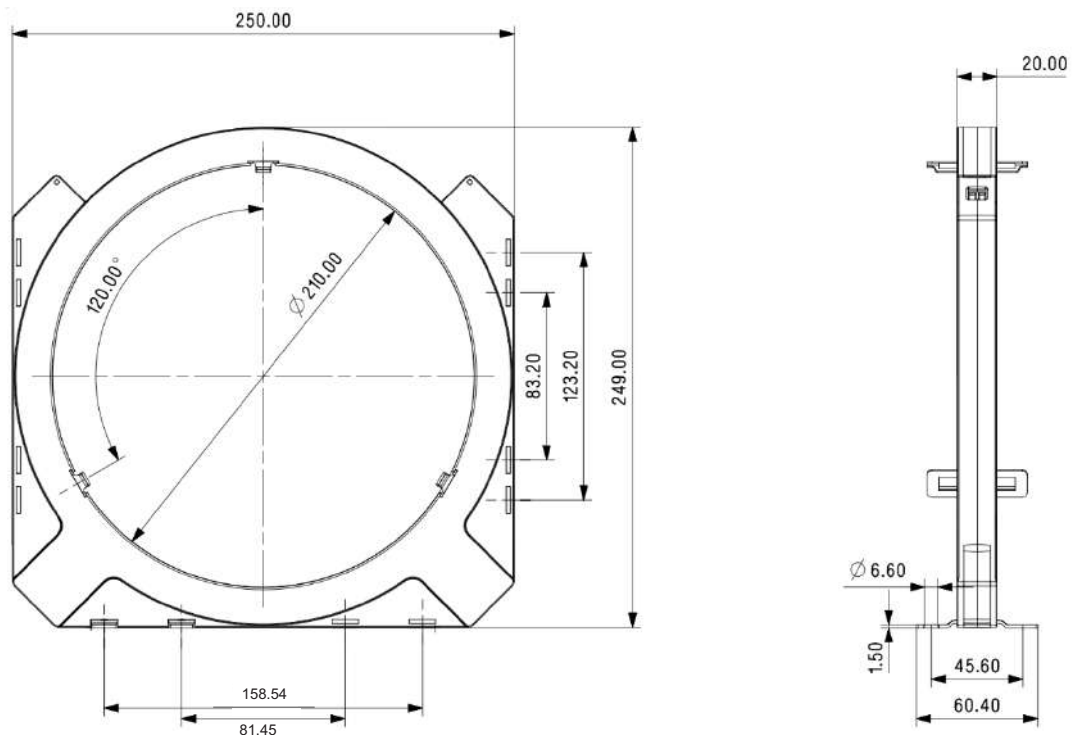


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RISH CBCT 210



Dimensional Details:



Ordering Code

CB12-0101000000000	CBCT 210/250/20 30MA-30A 600:1 CL3
CB12-0101000100000	CBCT 210B/250/20 30MA-30A 600:1 CL15%
CB13-0101000400000	CBCT 210/250 30MA-30A 600:1 1CL3 spg. LC



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Specifications may change without prior notice



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