

3-Phase Resin Cast Block Current Transformers (CTs)

DESCRIPTION

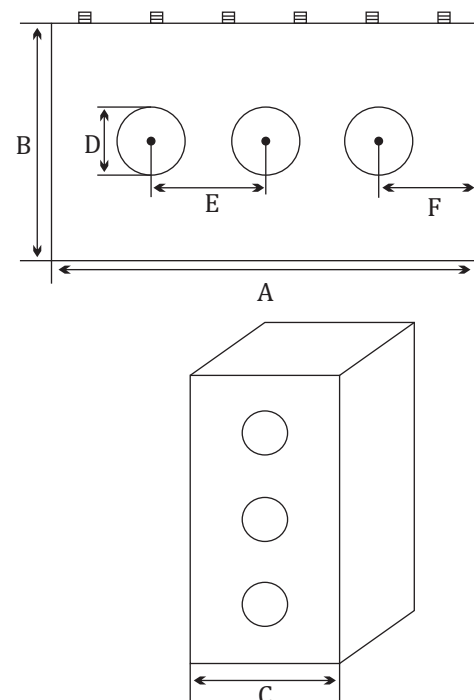
This specification covers general requirements of design, engineering, manufacture, assembly, stage testing, inspection, pre-dispatch testing at manufacturer's works, packing, supply and delivery of LT epoxy moulded metering class current transformers suitable for use with three phase four wire bulk supply energy measuring system (hereafter referred as CT) and for outdoor installation.

The material shall be complete with all parts and accessories which are necessary or usual for their efficient and satisfactory operation. Tolerances on all the dimensions shall be in accordance with provisions made in the relevant Indian / IEC standards and in these specifications. Otherwise the same will be governed by good engineering practices in conformity with required quality of the product.

Particulars	Specification
Type	3-Phase, Resin Cast Block CT
Standards	IS: 2705 (Part I-IV) / IEC 61869-2
System Voltage	3 kV (LT Application)
Ratio	60/5 A, 100/5 A, 150/5 A, 200/5 A
Core	Single core per phase
Accuracy Class	Class 1
Burden	5 VA
Window / Inner Diameter	25 mm
Frequency	50 Hz \pm 5%
Continuous Thermal Current	1.2 \times rated current
Short Time Current	As per IS: 2705 (e.g., 25 \times rated current for 1 sec)
Instrument Security Factor (ISF)	\leq 5
Construction	Resin / Epoxy encapsulated, flame-retardant block housing
Terminals	Electrolytic copper, screw-type with protective cover
Mounting	Optional mounting clamp / Busbar / Cable pass-through
Insulation	Class E / Class B
Ambient Temperature	-10°C to +55°C
Service Conditions	Indoor, suitable for tropical climate
Markings	As per IS: 2705 (Ratio, VA, Class, Serial No., Year, IS marking)
Routine & Type Tests	As per IS: 2705 (Polarity, Ratio, Burden, Accuracy, Dielectric, etc.)



Dimension



Ordering Information

Ratio	Dimension					
	A	B	C	D	E	F
30/5	100	45	30	12	30	18.5
60/5	100	45	30	12	30	18.5
100/5	140	65	35	25	45	26
150/5	140	65	35	25	45	26
200/5	140	65	35	25	45	26
250/5	140	65	35	25	45	26
300/5	240	80	40	55	80	40
400/5	240	80	40	55	80	40
500/5	240	80	40	55	80	40
600/5	240	80	40	55	80	40

★ Other sizes on request

★ +5mm Tolerance all dimension in mm

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