



# Split core current transformer

## JCXXF-XXXmA Series

The split-core current transformer design is used for energy efficiency monitoring and automation applications

This includes sub-metering cost allocation, dynamic energy consumption and peak load analysis. The JC series of current transformer is simple to use, compact split-core design which is easily installed for metering applications.

This is ideal for distributed measurement systems and can be retro-fitted into existing installations and non - interruptible equipment as there is no requirement for disconnection and reconnection of wiring.

MODEL	JC10F	JC16F	JC24F
	Ø10	Ø16	Ø24
Current Ratio	5A/1.66mA	120A/40mA	200A/66.6mA
Current Range	0.01~80A (RL=10Ω)	0.01~120A (RL=10Ω)	0.01~200A (RL=10Ω)
Max.Continuous Current	120A	200A	300A
Nominal Phase Angle Error	+1.5±1°	+1.0±1°	+1.0±1°
Nominal Linearity Error	-1±1%	-1±1%	-1±1%
Turns Ratio	3000:1	3000:1	3000:1
DCR	360±25Ω	280±20Ω	171±15Ω
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P
Insullation Category	CATIII		
Operating Condition	-20 °C~+50 °C, ≤85%RH, No condensation, In-house & Any direction installable		
Storage Condition	-30 °C~+90 °C, ≤85%RH, No condensation		

\* (F=50/60HZ)

## TECHNICAL SPECIFICATION



### → APPLICATIONS

- Energy sub-meter
- Power meters
- Power quality monitoring HVAC&Pumps, etc
- Distributed measurement system

### → BENEFITS

- Small-size, light-weight
- Simple Installation
- Over-Voltage protection circuit is installed

### → NOTICE

- If you impact the core contact surface, internal core material could be damaged.
- Please use only the original output screws. Not recommended to replace it with anything else.
- Customizing out put lead wire

### → FEATURES

- Nylon-spring, output-terminal, secure

locking hinge, one-touch structure make easy to install to the existent equipments such as a power distribution boards.

- Isolated plastic case recognized according to UL94-V0
- UL / EN 61010 - 1 certified

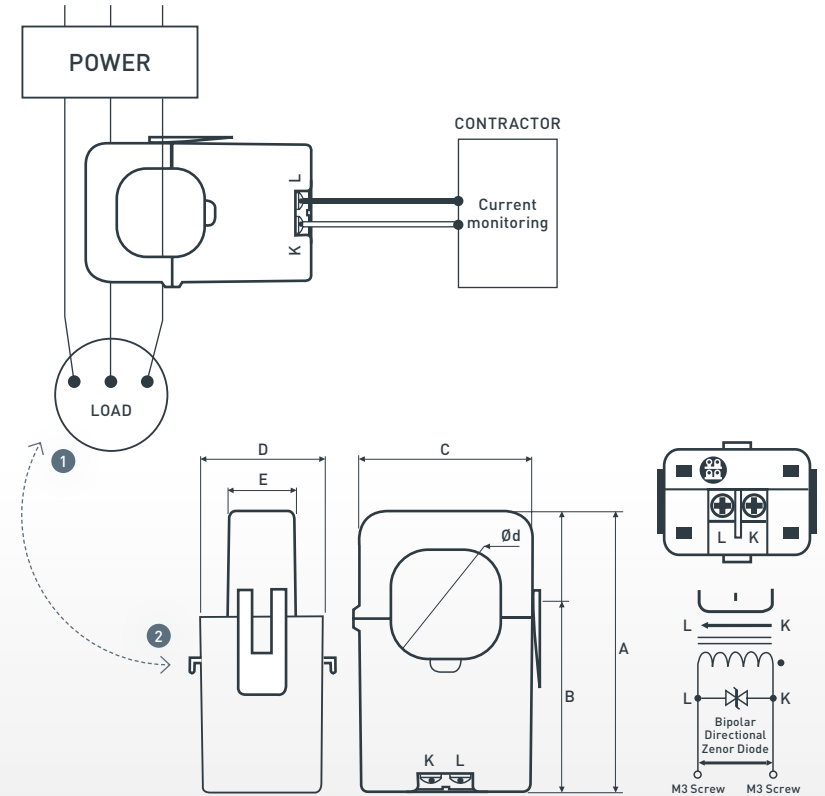
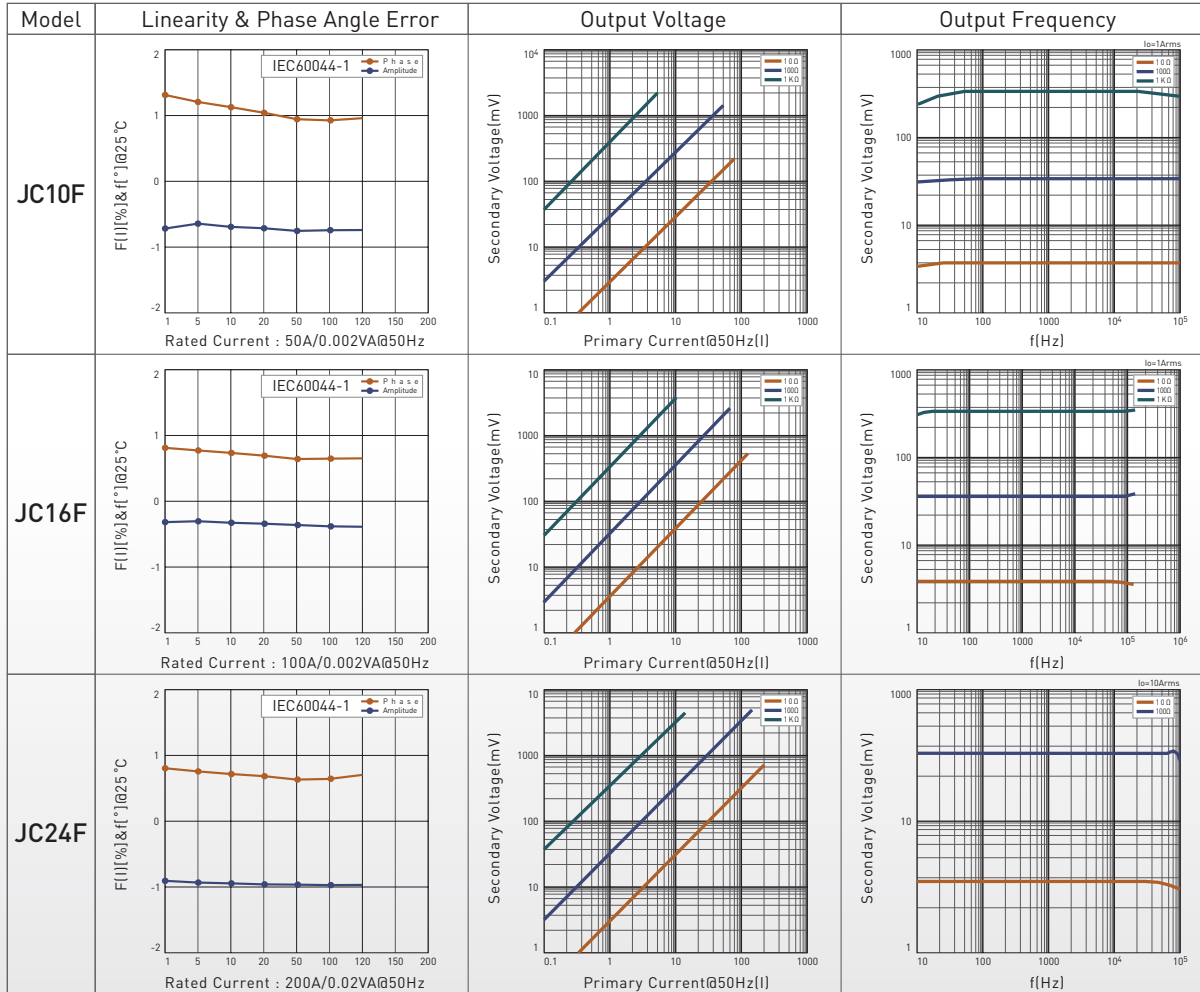
### → REGULATORY COMPLIANCE (pending)

- Safety: UL
- EMC: FCC, CE
- RoHS

### → WARRANTY

- 1 year standard

NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



MODEL	A	B	C	D	E	Ød
JC10F	50	38	23	26	14.5	10
JC16F	55	41	29.5	31	19	16
JC24F	74.5	52	45	34	22	24

Unit: mm



HOW TO USE SPLIT-CORE CURRENT TRANSFORMER