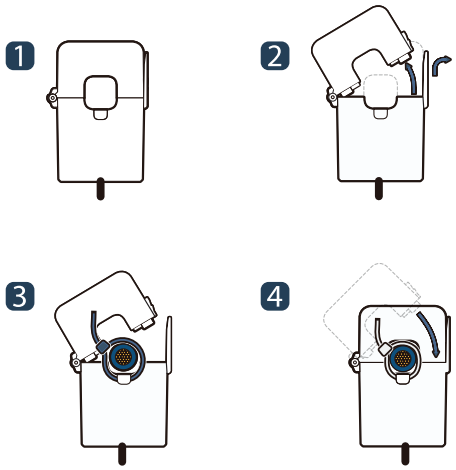
SPLIT-CORE CURRENT TRANSFORMER

JSXXFL-XXX/XXXmA series

E344623

HOW TO USE



JS series of split-core current transformer offers XXXmA at secondary from sensed primary current for metering application. Without using secondary CT inside of meter, it enables one meter to be adopted for various current rating by only changing primary CT so it makes compact meter design and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation. Especially JS10FL can be installed at secondary of 5A output primary CT to compare meter's accuracy.

APPLICATIONS

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

FEATURES

- Output-lead-wire, secure locking hinge, one-touch structure make easy to install to the existent equip• ments such as a power distribution boards.
- Isolated plastic case recognized according to UL94-V0
- UL / EN 61010 - 1 certified

BENEFITS

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

NOTICE

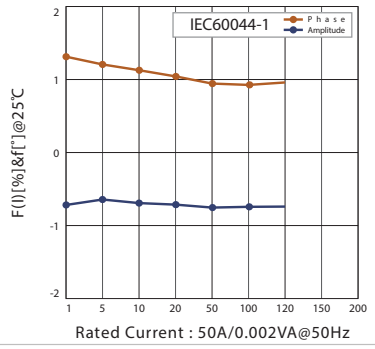
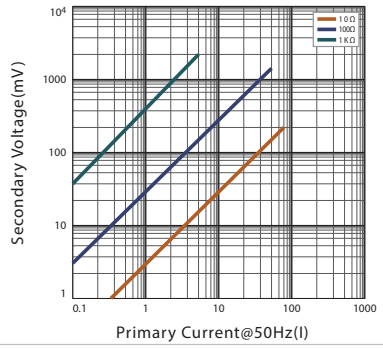
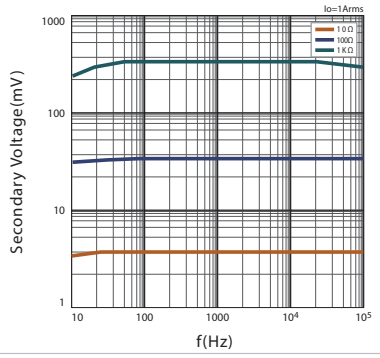
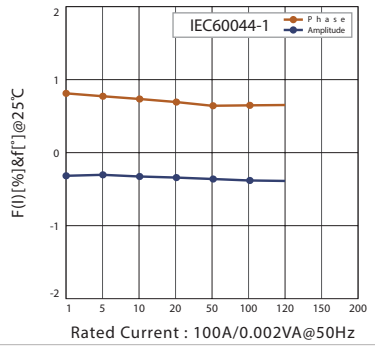
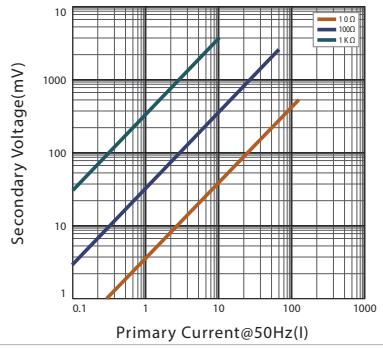
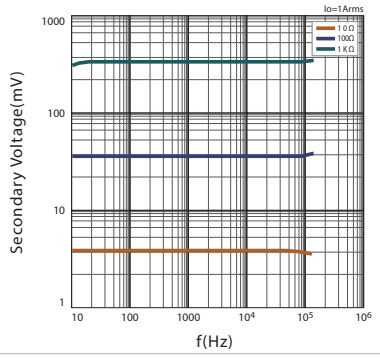
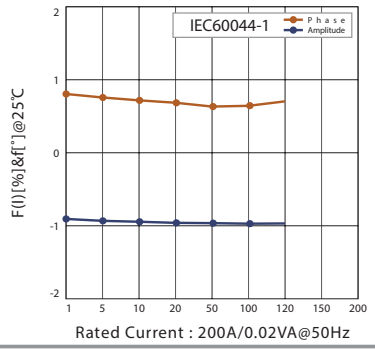
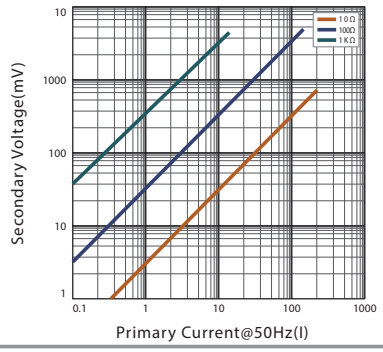
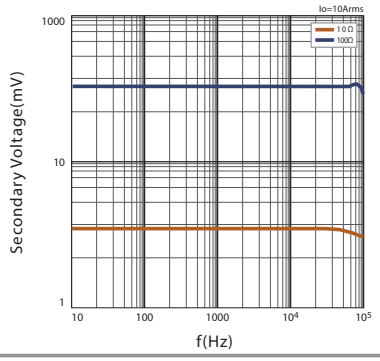
- If you impact the core contact surface, internal core material could be damaged.
- Additionally, CTs are deliverable with customized output lead cable.

SPECIFICATION

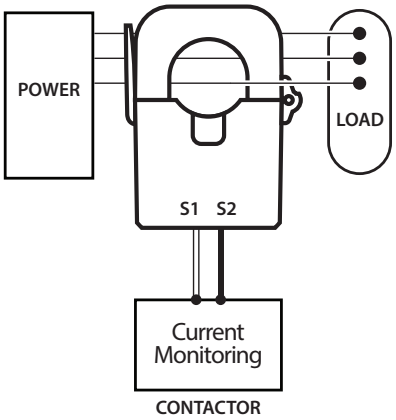
(F=50/60Hz)

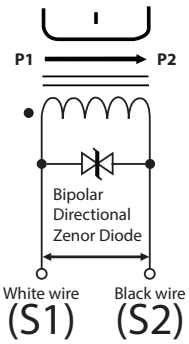
Model	JS10FL Ø10	JS16FL Ø16	JS24FL Ø24
Current Ratio	50A/16.6mA	100A/33.3mA	200A/66.6mA
Current Range	0.1~80A (RL=10Ω)	0.1~120A (RL=10Ω)	0.1~200A (RL=10Ω)
Max Continuous Current	120A	200A	300A
Nominal Phase Angle Error	+1.5±1˚	+1.0±1˚	+1.0±1˚
Nominal Linearity Error	-1±1%	-1±1%	-1±1%
Turns Ratio	3000:1	3000:1	3000:1
DCR	360±25Ω	280±20Ω	171±15Ω
Protection Level	7.5V0-P	7.5V0-P	7.5V0-P
Insulation 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		

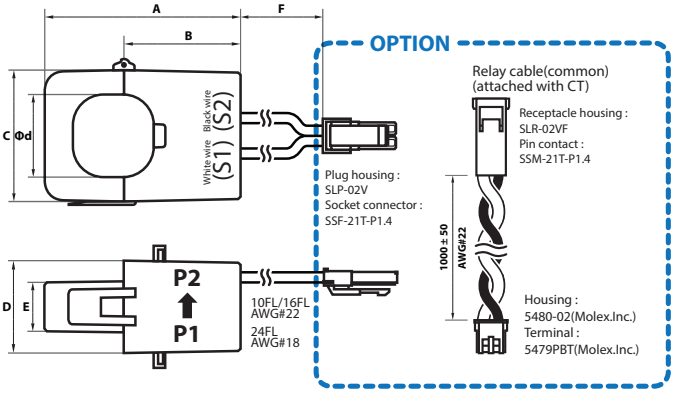
ACCURACY DATA

Model	Linearity & Phase Angle Error	Output Voltage	Output Frequency
JS10F L			
JS16F L			
JS24F L			

APPLICATIONS / DIMENSIONS







Unit : mm

Model	A	B	C	D	E	F	Ød
JS10FL	40.5	23	23.7	26.6	14.5	150±20	10
JS16FL	45	26	30	31.6	18.8	150±20	16
JS24FL	65	37.5	45	33.7	21.1	200±20	24