PRECISE SPLIT-CORE AC CURRENT TRANSFORMER

Miniature Split-core AC Current Transformer is suitable for primary ranges from 5A to 2,400A AC with mA, 0.1A, 1A, 5A, 333mV AC secondary.
It improves both intrinsic errors in low current and errors occurred by external vibration and shock with strong durability and minimum tolerance on cutting cross section of core. Main applications are sub metering, power meter, PLC (Programmable Logic Controller), energy automation and etc.

CONTENTS

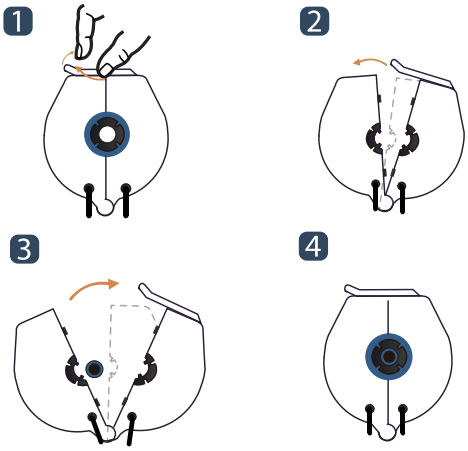
REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER

SPLIT-CORE CURRENT TRANSFORMER

JC08W-mA Series

E344623

HOW TO USE



APPLICATIONS

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

FEATURES

- Ø5~ Ø8.5mm sensing aperture for non-contact measurement

BENEFITS

- Small-size, light-weight
- Simple Installation

NOTICE

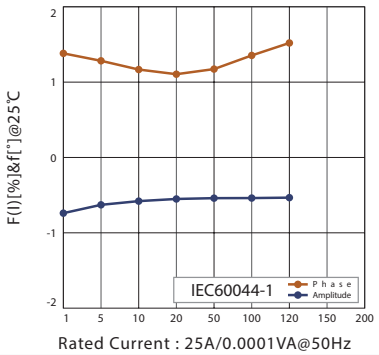
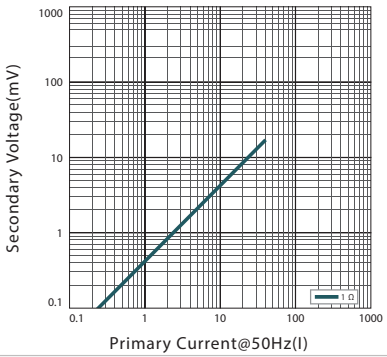
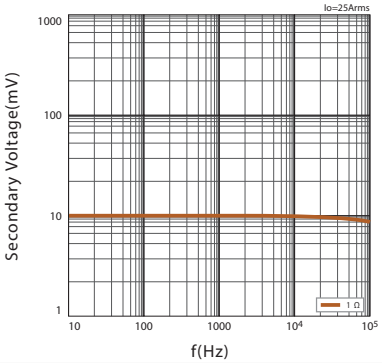
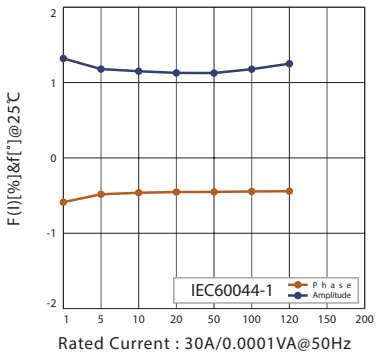
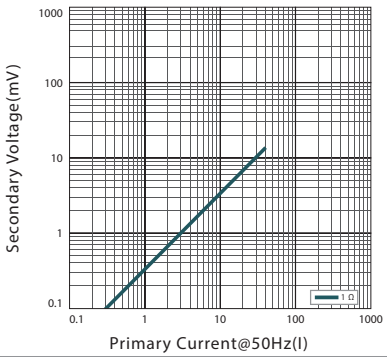
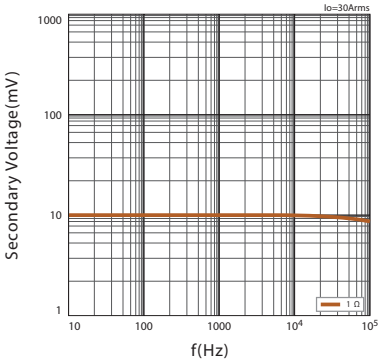
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Additionally, CTs are deliverable with customized output lead cable.
- Silicone rubber reducing sleeves for central positioning of thinner conductors (5.5mm~6.5mm) are optional available.

SPECIFICATION

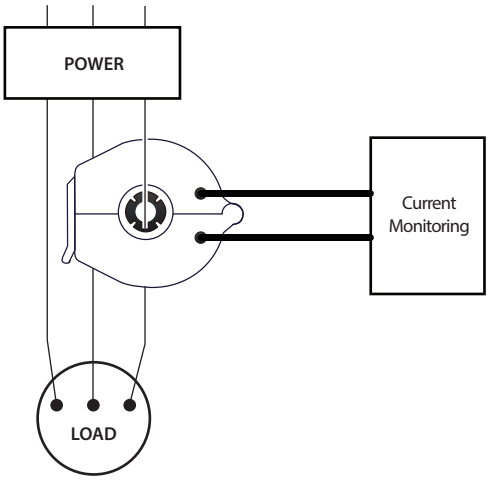
(F=50/60Hz)

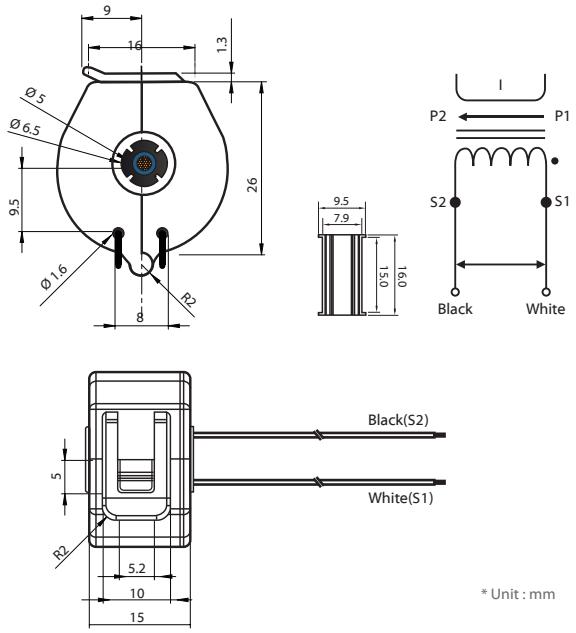
Model	JC08W-25 Ø8.5	JC08W-30 Ø8.5
Current Ratio	25A/10mA	30A/10mA
Current Range	0.01~42A (RL=1Ω)	0.01~45A (RL=1Ω)
Max Continuous Current	70A	70A
Nominal Phase Angle Error	+1±1°	+1±1°
Nominal Linearity Error	-1.5 ~ ±0.5%	-0.5 ~ ±1%
Turns Ratio	2500:1	3000:1
DCR	200±20Ω	240±24Ω
Protection Level	Over-voltage protection circuit is not included, please pay careful attention during installation.	
Insulation Category	CATⅢ 600V AC / PD2	
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@RL=1Ω	Output Frequency
JC08 W-25			
JC08 W-30			

APPLICATIONS / DIMENSIONS





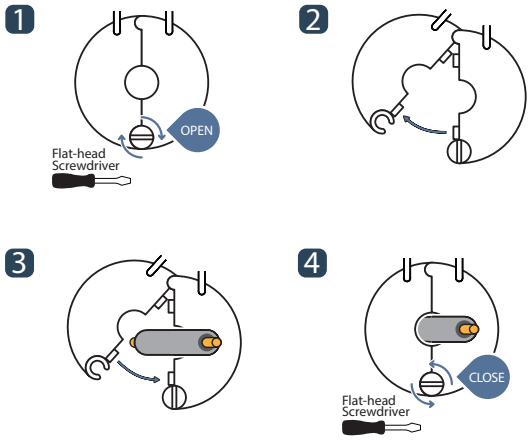
* Unit : mm

SPLIT-CORE CURRENT TRANSFORMER

JS08W-mA Series

E344623

HOW TO USE



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 JS 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.

APPLICATIONS

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

FEATURES

- Output-lead-wire, secure locking hinge, flat screw clip type make easy to install to the exist ent equipments 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

NOTICE

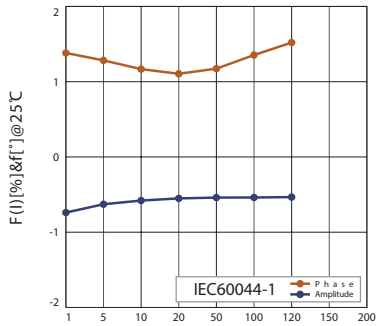
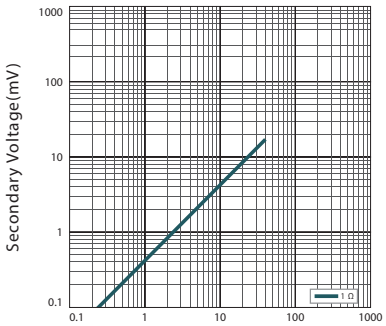
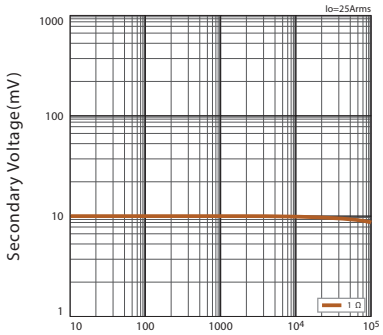
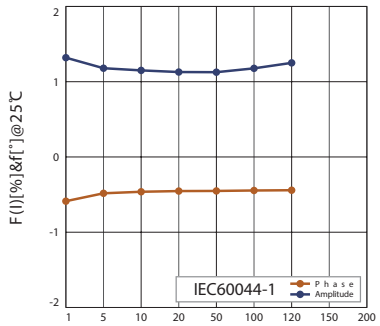
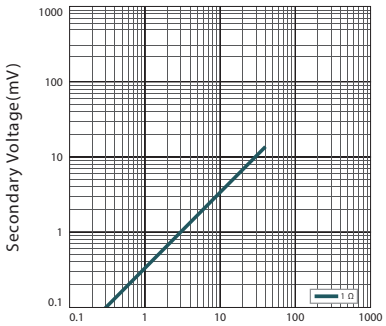
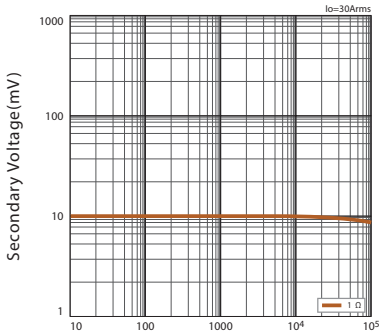
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Additionally, CTs are deliverable with customized output lead cable.

SPECIFICATION

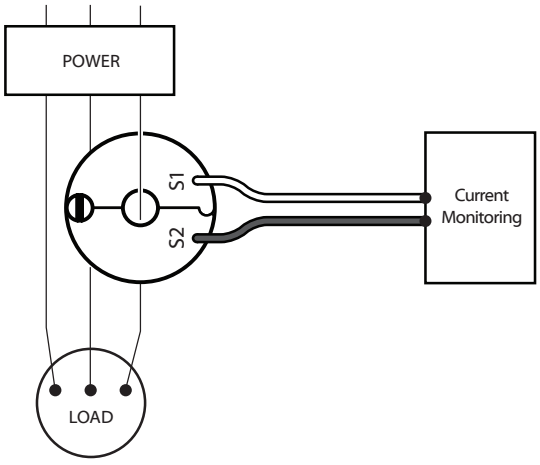
(F=50/60Hz)

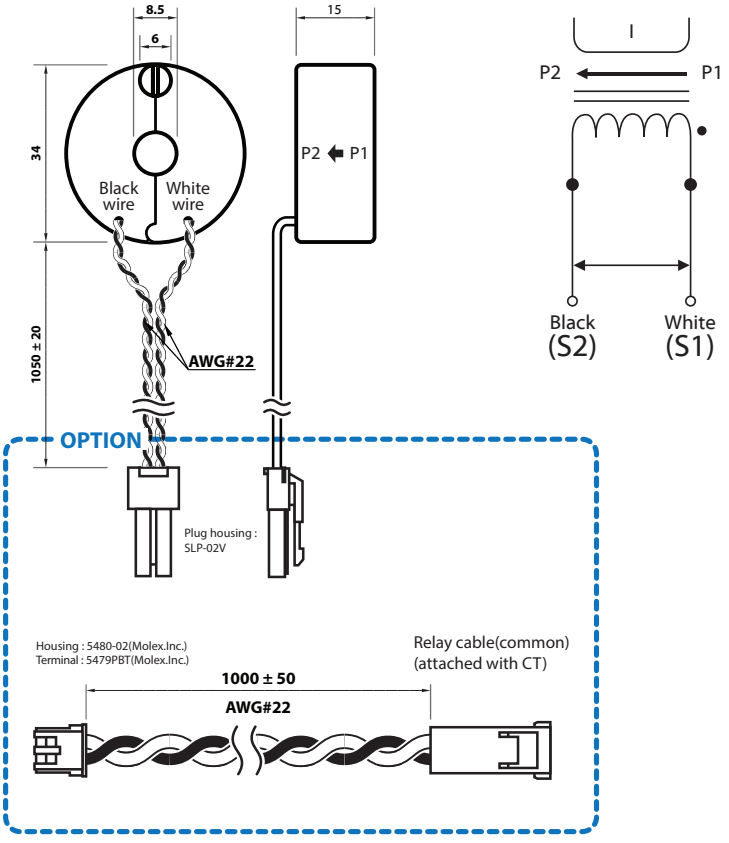
Model	JS08W-25 Ø8.5	JS08W-30 Ø8.5
Current Ratio	25A/10mA	30A/10mA
Current Range	0.01~42A (RL=1Ω)	0.01~45A (RL=1Ω)
Max Continuous Current	70A	70A
Nominal Phase Angle Error	+1±1°	+1±1°
Nominal Linearity Error	-0.5 ~ ±1%	-0.5 ~ ±1%
Turns Ratio	2500:1	3000:1
DCR	200±20Ω	240±24Ω
Protection Level	Over-voltage protection circuit is not included, please pay careful attention during installation	
Insulation Category	CATⅢ 600V AC / PD2	
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@RL=1Ω	Output Frequency
JS08W -25			
JS08W -30			

APPLICATIONS / DIMENSIONS



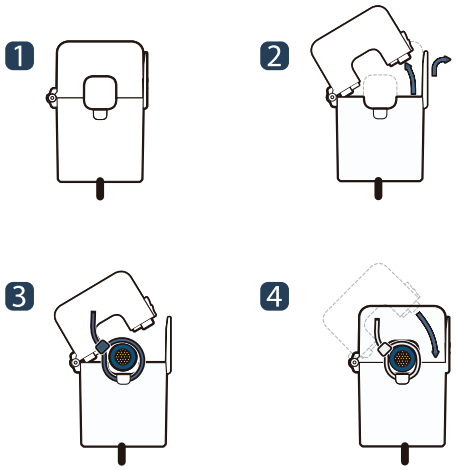


SPLIT-CORE CURRENT TRANSFORMER

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

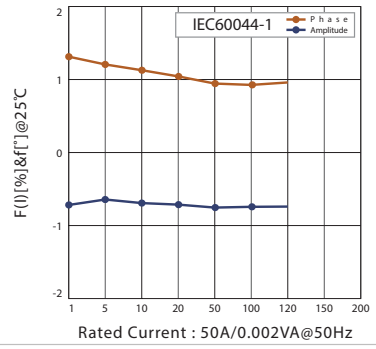
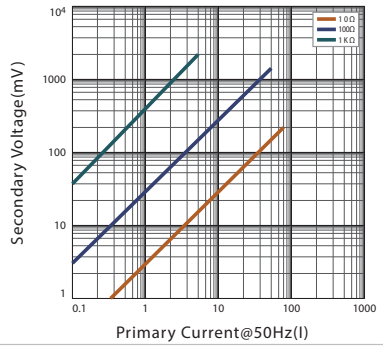
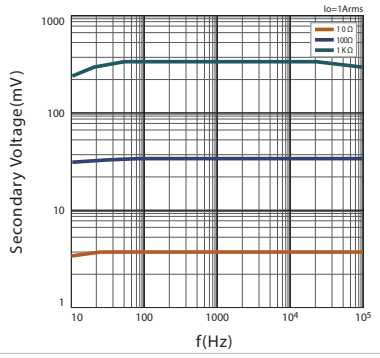
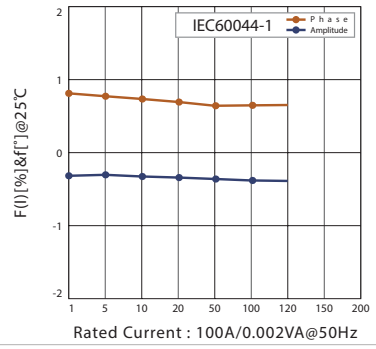
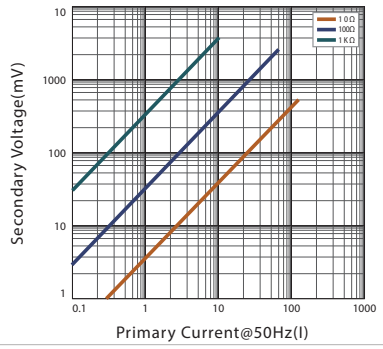
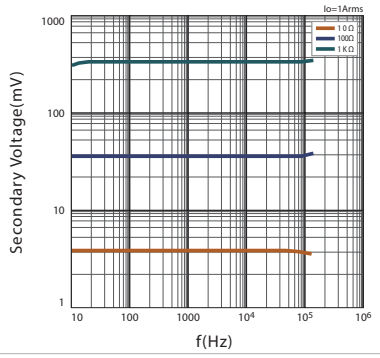
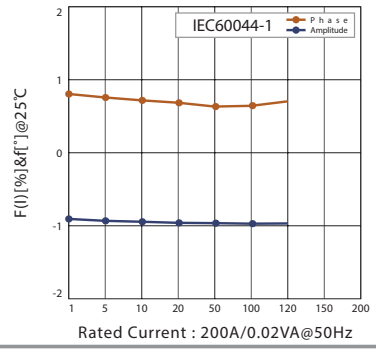
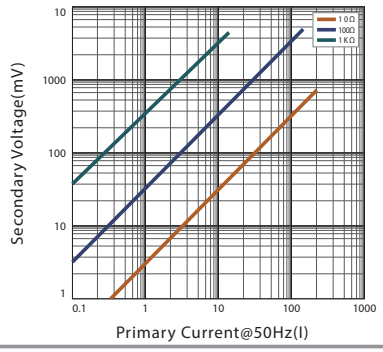
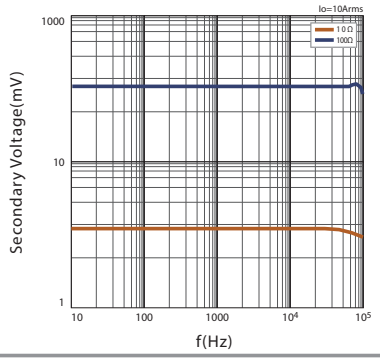
- If you impact the core contact surface, internal core material could be damaged.
- Additionally, CTs are deliverable with customized output lead cable.

SPECIFICATION

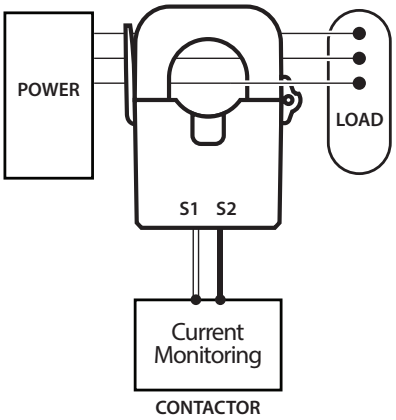
(F=50/60Hz)

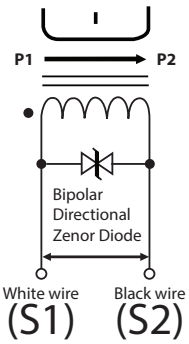
Model	JS10FL Ø10	JS16FL Ø16	JS24FL Ø24
Current Ratio	50A/16.6mA	100A/33.3mA	200A/66.6mA
Current Range	0.1~80A (RL=10Ω)	0.1~120A (RL=10Ω)	0.1~200A (RL=10Ω)
Max Continuous Current	120A	200A	300A
Nominal Phase Angle Error	+1.5±1˚	+1.0±1˚	+1.0±1˚
Nominal Linearity Error	-1±1%	-1±1%	-1±1%
Turns Ratio	3000:1	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		

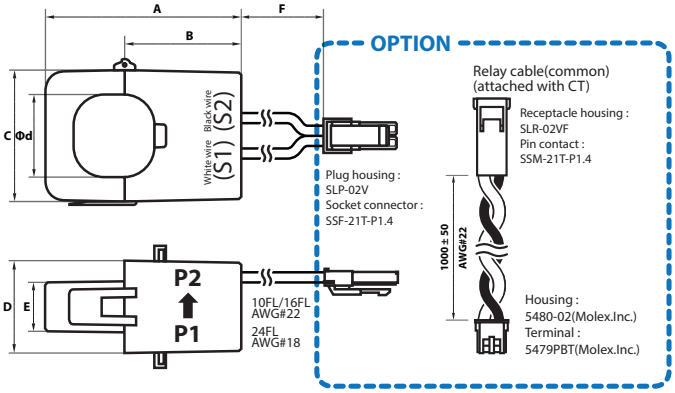
ACCURACY DATA

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

APPLICATIONS / DIMENSIONS







Unit : mm

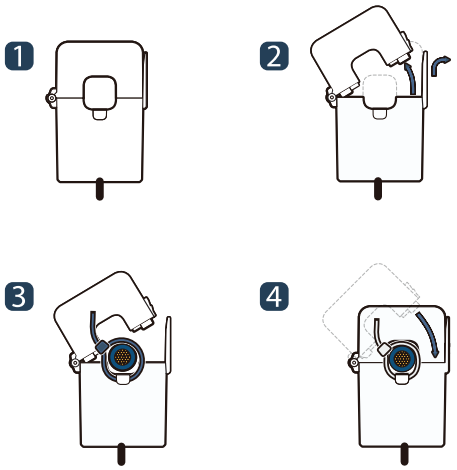
Model	A	B	C	D	E	F	Ød
JS10FL	40.5	23	23.7	26.6	14.5	150±20	10
JS16FL	45	26	30	31.6	18.8	150±20	16
JS24FL	65	37.5	45	33.7	21.1	200±20	24

SPLIT-CORE CURRENT TRANSFORMER

JSXXNL-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 JS10NL 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

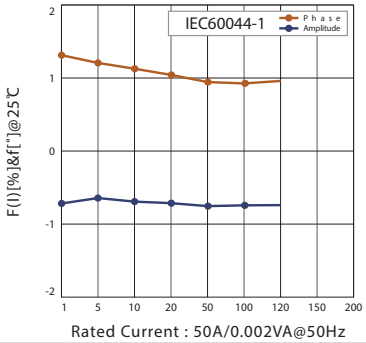
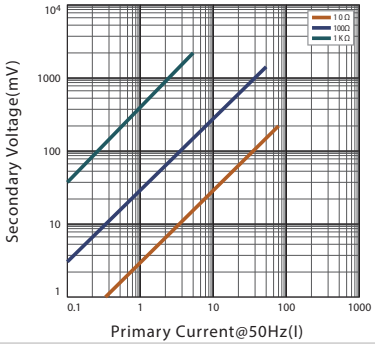
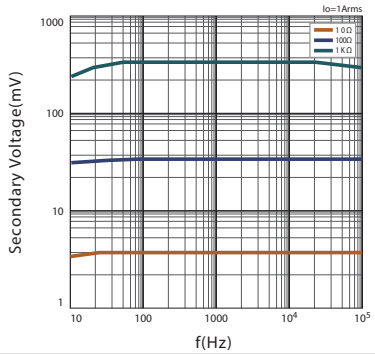
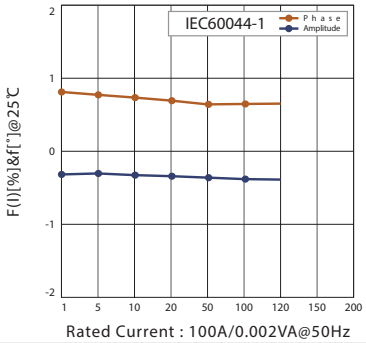
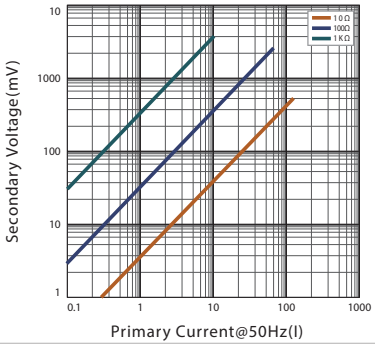
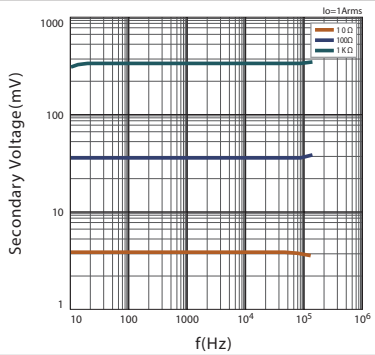
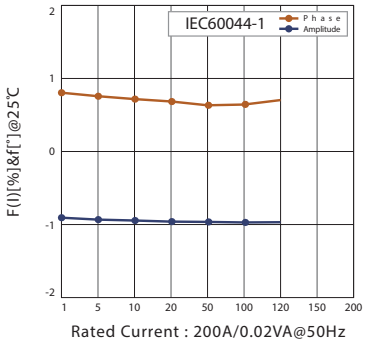
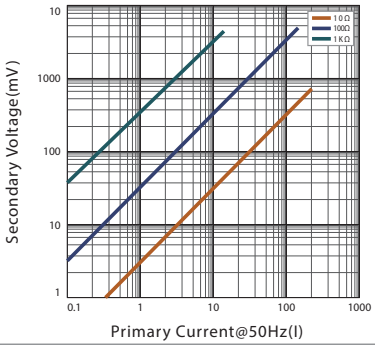
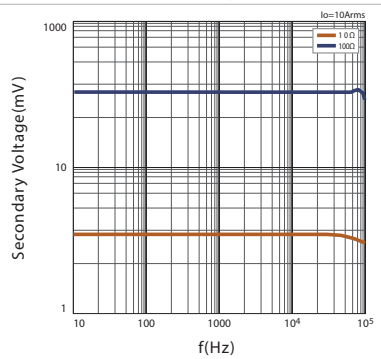
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Customizing output lead wire

SPECIFICATION

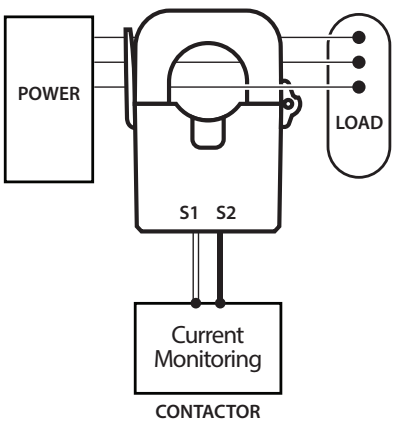
(F=50/60Hz)

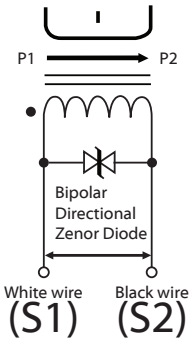
Model	JS10NL Ø10	JS16NL Ø16	JS24NL Ø24
Current Ratio	50A/16.6mA	100A/33.3mA	200A/66.6mA
Current Range	0.1~80A (RL=10Ω)	0.1~120A (RL=10Ω)	0.1~200A (RL=10Ω)
Max Continuous Current	120A	200A	300A
Nominal Phase Angle Error	+1.5±1°	+1.0±1°	+1.0±1°
Nominal Linearity Error	-1±1%	-1±1%	-1±1%
Turns Ratio	3000:1	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		

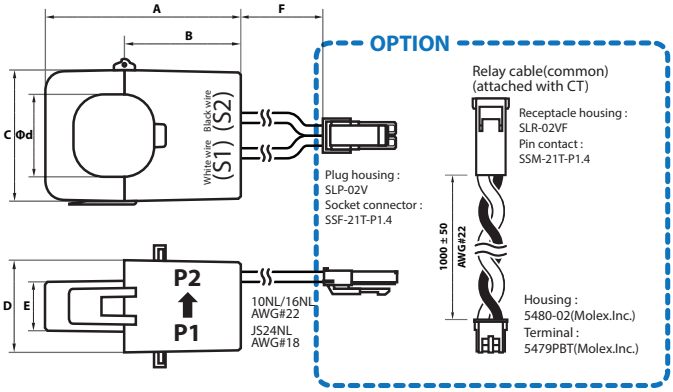
ACCURACY DATA

Model	Linearity & Phase Angle Error	Output Voltage	Output Frequency
JS10NL			
JS16NL			
JS24NL			

APPLICATIONS / DIMENSIONS







Unit : mm

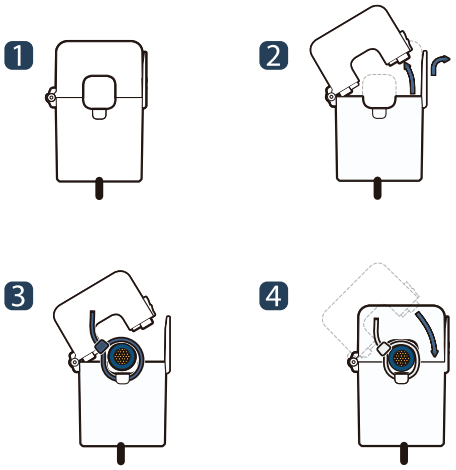
Model	A	B	C	D	E	F	Ød
JS10NL	40.5	23	23.7	26.6	14.5	150±20	10
JS16NL	45	26	30	31.6	18.8	150±20	16
JS24NL	65	37.5	45	33.7	21.1	200±20	24

SPLIT-CORE CURRENT TRANSFORMER

JSXXSL-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.

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 equipments 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

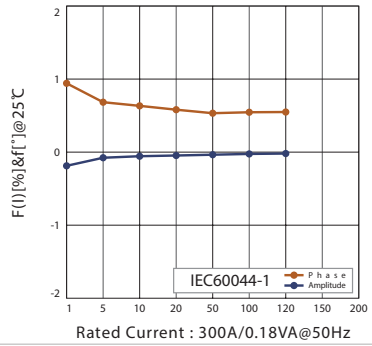
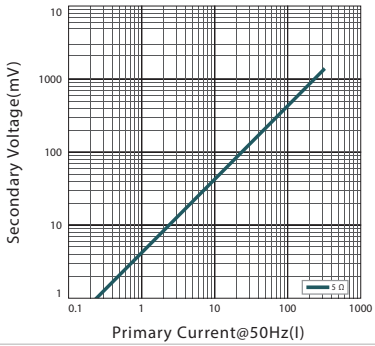
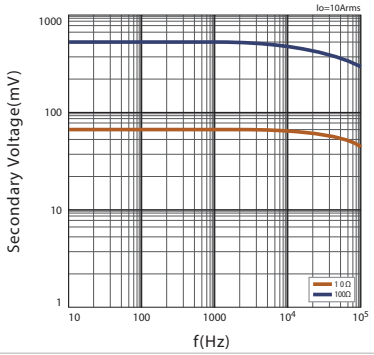
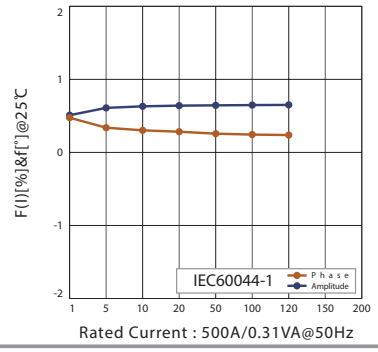
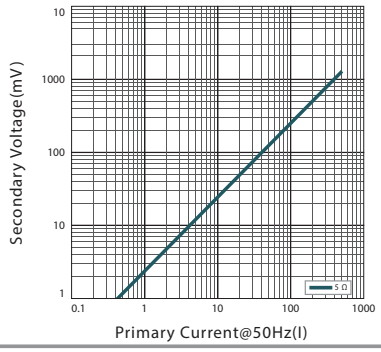
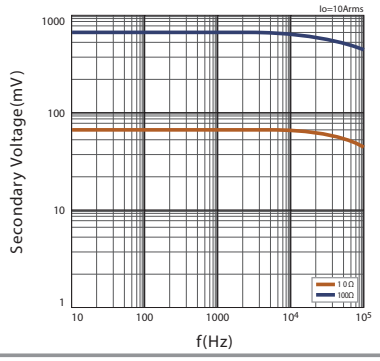
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Customizing out put lead wire

SPECIFICATION

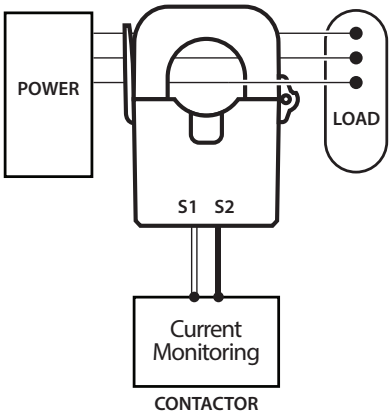
(F=50/60Hz)

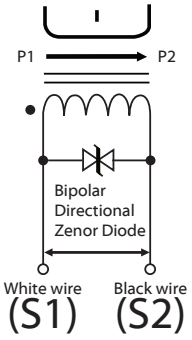
Model	JS24SL Ø24	JS36SL Ø36
Current Ratio	250A/125mA	400A/200mA
Current Range	0.1~300A (RL=5Ω)	0.1~500A (RL=5Ω)
Max Continuous Current	360A	600A
Nominal Phase Angle Error	+0.5±0.5˚	+0.5±0.5˚
Nominal Linearity Error	±1%	±1%
Turns Ratio	2000:1(Winding : 1980T)	2000:1(Winding : 1970T)
DCR	70±5Ω	33±4Ω
Protection Level	3.0V0-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	

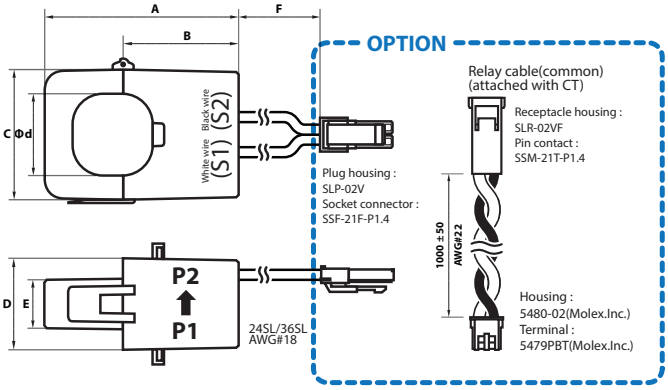
ACCURACY DATA

Model	Linearity & Phase Angle Error	Output Voltage	Output Frequency
JS24S L			
JS36S L			

APPLICATIONS / DIMENSIONS







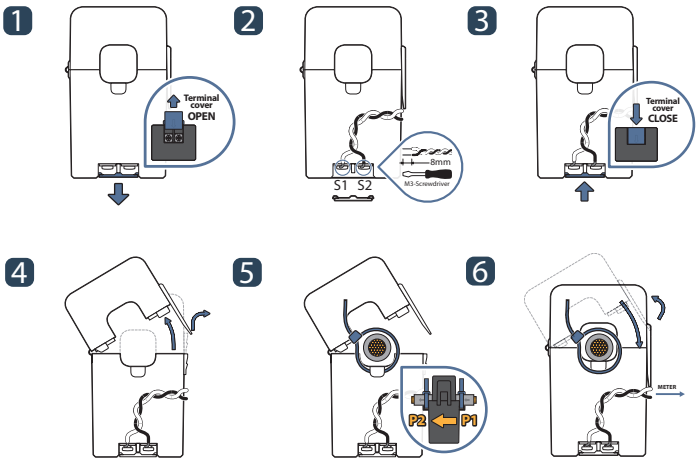
Unit : mm

Model	A	B	C	D	E	F	Ød
JS24SL	65	37.5	45	33.7	21.1	200±20	24
JS36SL	82.4	48	57.1	40.2	21.1	200±20	36

SPLIT-CORE CURRENT TRANSFORMER

JCXXF-XXXmA series

HOW TO USE



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.

APPLICATIONS

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

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

BENEFITS

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

NOTICE

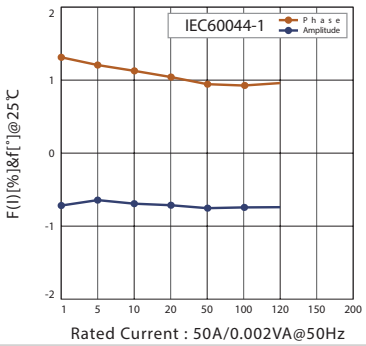
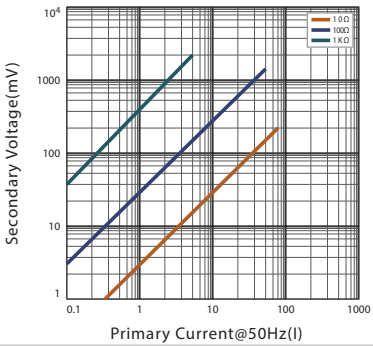
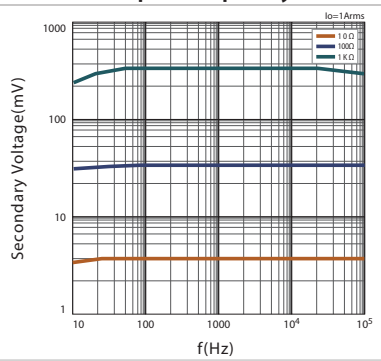
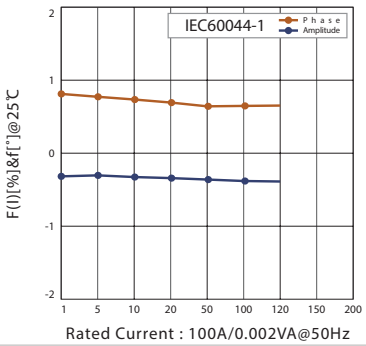
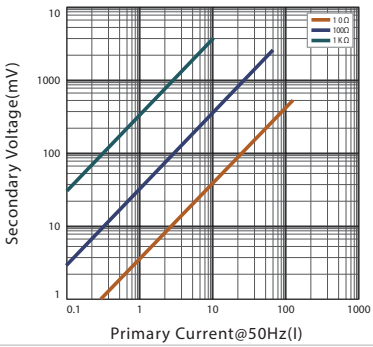
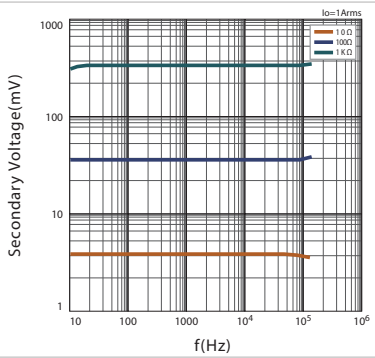
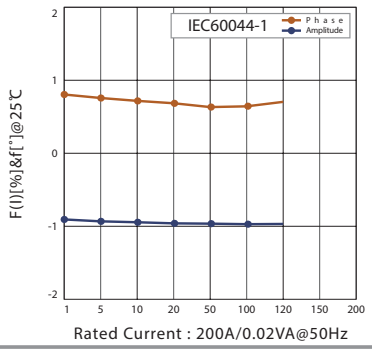
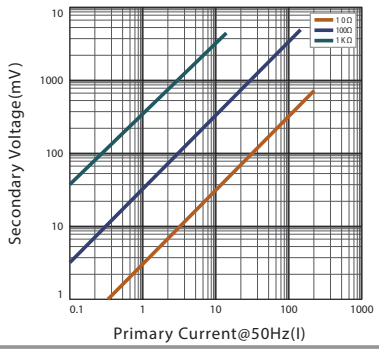
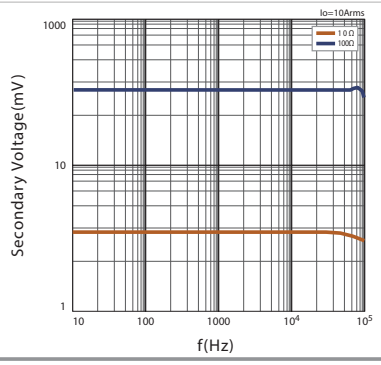
- If you impact the core contact surface, internal core material could be damaged.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

SPECIFICATION

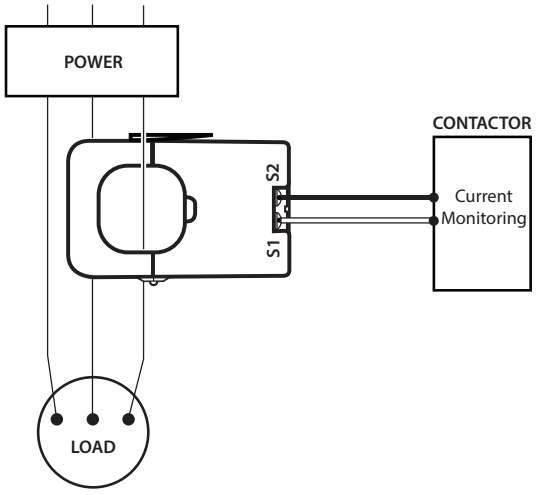
(F=50/60Hz)

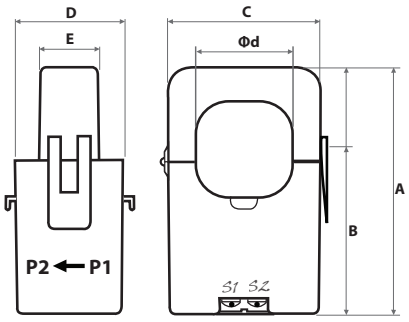
Model	JC10F Ø10	JC16F Ø16	JC24F Ø24
Current Ratio	50A/16.6mA	120A/40mA	200A/66.6mA
Current Range	0.1~80A (RL=10Ω)	0.1~120A (RL=10Ω)	0.1~200A (RL=10Ω)
Max Continuous Current	120A	200A	300A
Nominal Phase Angle Error	+1.5±1°	+1.0±1°	+1.0±1°
Nominal Linearity Error	-1±1%	-1±1%	-1±1%
Turns Ratio	3000:1	3000:1	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		

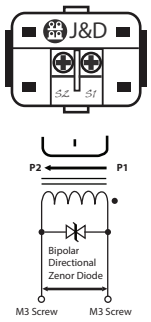
ACCURACY DATA

Model	Linearity & Phase Angle Error	Output Voltage	Output Frequency
JC10F			
JC16F			
JC24F			

APPLICATIONS / DIMENSIONS







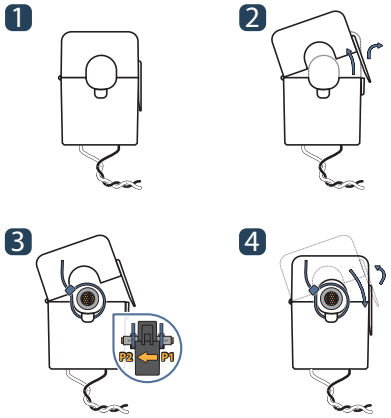
Unit : mm

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

SPLIT-CORE CURRENT TRANSFORMER

JCXXFL-XXX-XXXmA series

HOW TO USE



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.

APPLICATIONS

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

FEATURES

- Nylon-spring, secure locking hinge, one-touch structure makes 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

BENEFITS

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

NOTICE

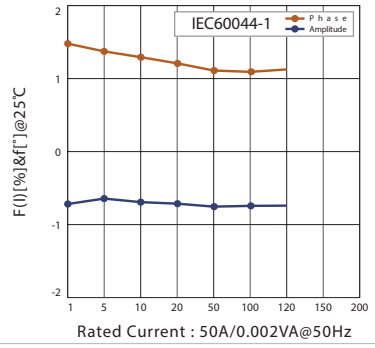
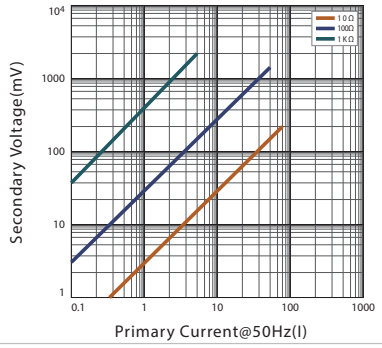
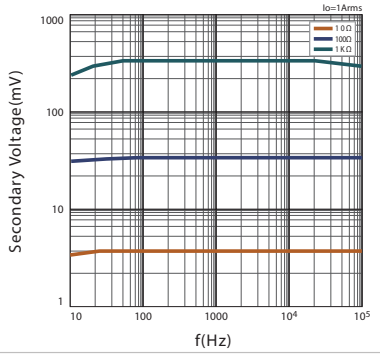
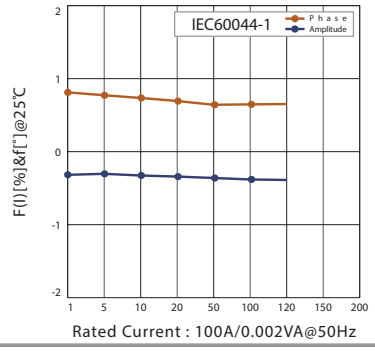
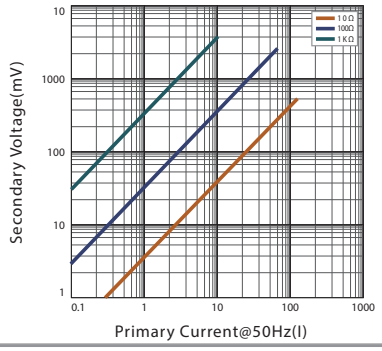
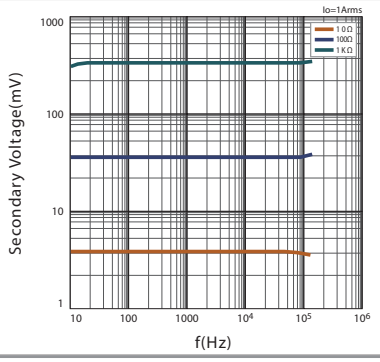
- If you impact the core contact surface, internal core material could be damaged.
- Customizing output lead wire

SPECIFICATION

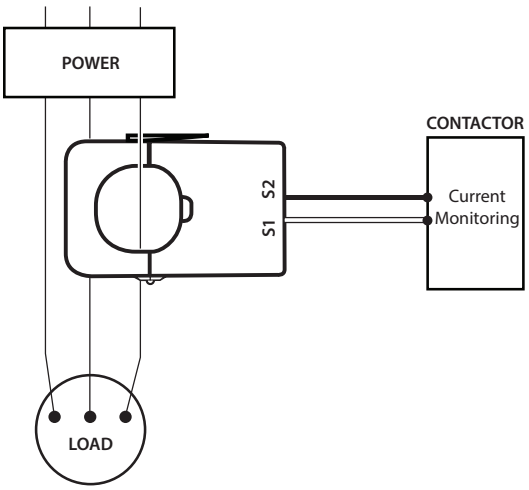
(F=50/60Hz)

Model	JC10FL Ø10	JC16FL Ø16
Current Ratio	50A/16.6mA	100A/33.3mA
Current Range	0.1~80A (RL=10Ω)	0.1~120A (RL=10Ω)
Max Continuous Current	120A	200A
Nominal Phase Angle Error	+1.5±1°	+1.0±1°
Nominal Linearity Error	-1±1%	-1±1%
Turns Ratio	3000:1	3000:1
DCR	420±30Ω	290±25Ω
Protection Level	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	

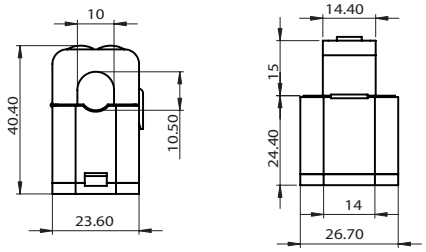
ACCURACY DATA

Model	Linearity & Phase Angle Error	Output Voltage	Output Frequency
JC10FL			
JC16FL			

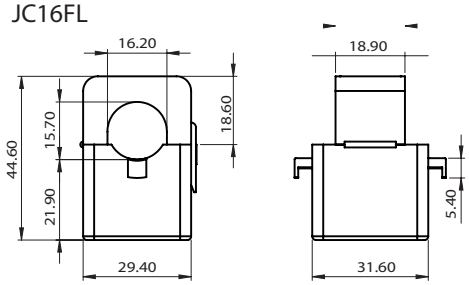
APPLICATIONS / DIMENSIONS

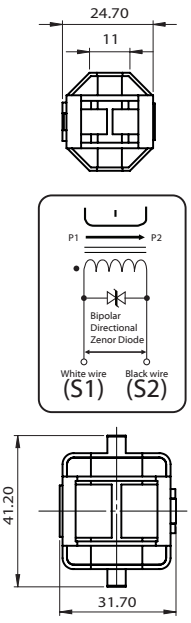


JC10FL



JC16FL

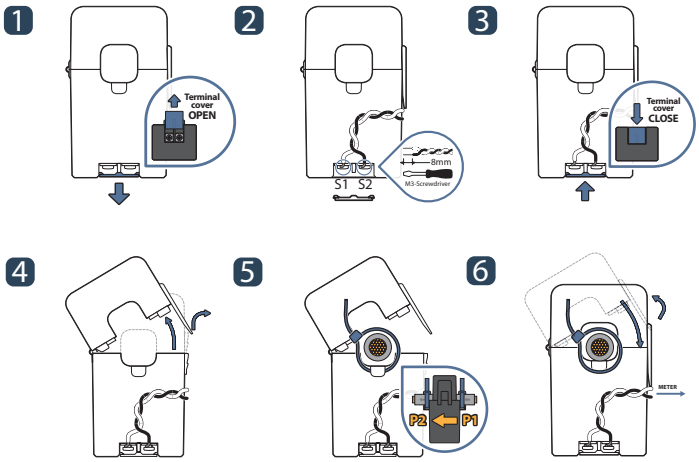




SPLIT-CORE CURRENT TRANSFORMER

JC24S-1/2/3 series

HOW TO USE



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APPLICATIONS

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

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

BENEFITS

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

NOTICE

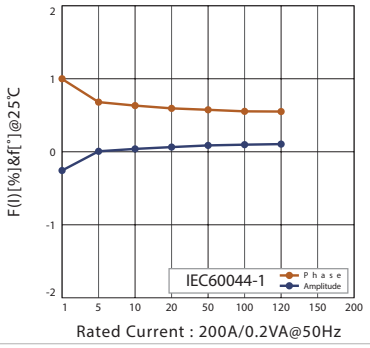
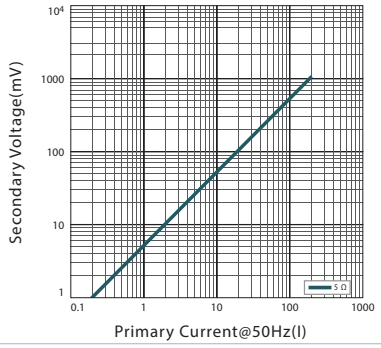
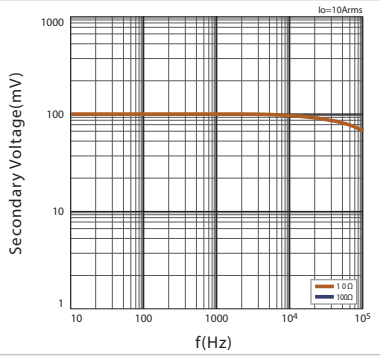
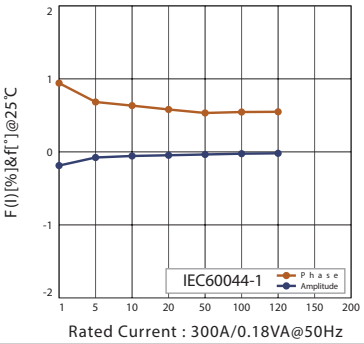
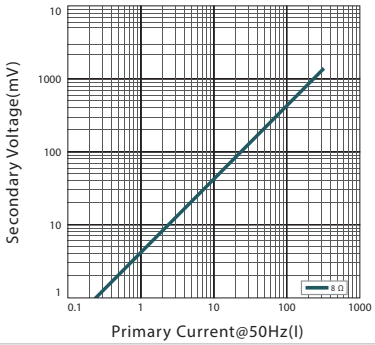
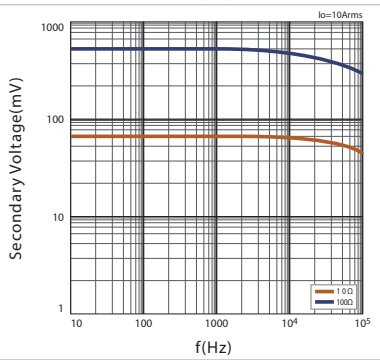
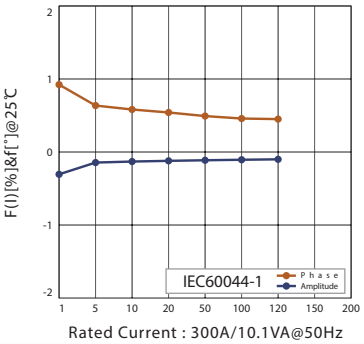
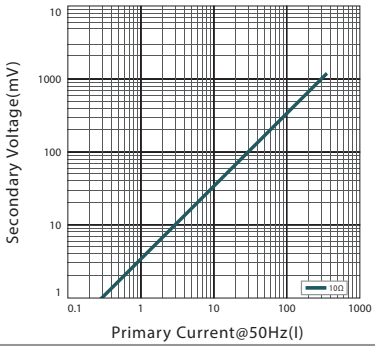
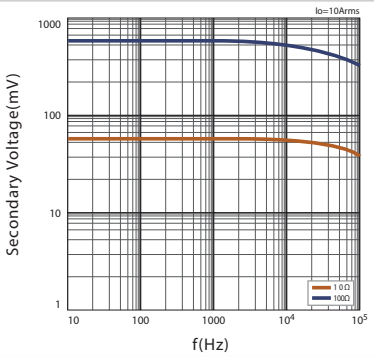
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

SPECIFICATION

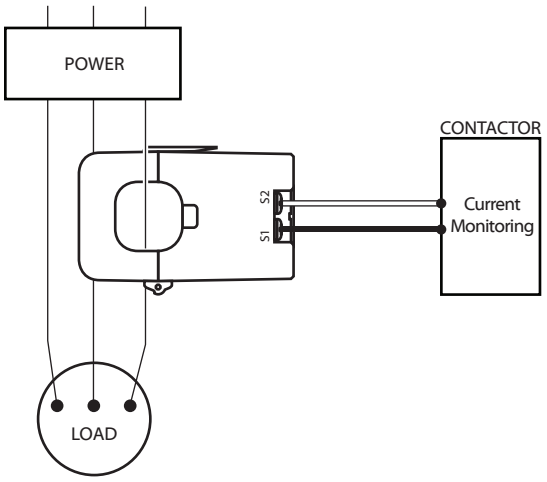
(F=50/60Hz)

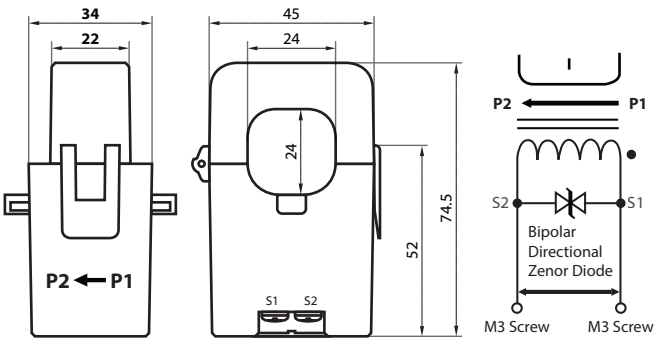
Model	JC24S-1 Ø24	JC24S-2 Ø24	JC24S-3 Ø24
Current Ratio	200A/200mA	300A/150mA	300A/100mA
Current Range	0.1~200A (RL=5Ω)	0.1~300A (RL=8Ω)	0.1~320A (RL=10Ω)
Max Continuous Current	300A	360A	380A
Nominal Phase Angle Error	+0.5±0.5°	+0.5±0.5°	+0.5±0.5°
Nominal Linearity Error	±1%	±1%	±1%
Turns Ratio	1000:1(Winding : 990T)	2000:1(Winding : 1980T)	3000:1(Winding : 2970T)
DCR	17±3Ω	70±3Ω	117±10Ω
Protection Level	3.0V0-P	3.0V0-P	3.0V0-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
JC24S-1	 Rated Current : 200A/0.2VA@50Hz	 Primary Current@50Hz(I)	 f(Hz)
JC24S-2	 Rated Current : 300A/0.18VA@50Hz	 Primary Current@50Hz(I)	 f(Hz)
JC24S-3	 Rated Current : 300A/10.1VA@50Hz	 Primary Current@50Hz(I)	 f(Hz)

APPLICATIONS / DIMENSIONS



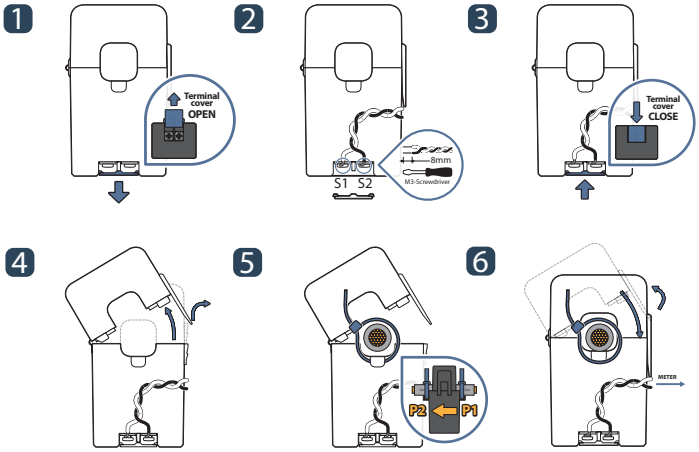


SPLIT-CORE CURRENT TRANSFORMER

JC36S-1/2/3 series

E344623

HOW TO USE



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.

APPLICATIONS

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

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

BENEFITS

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

NOTICE

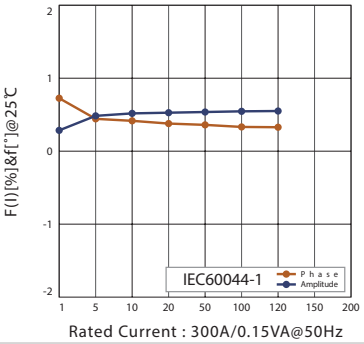
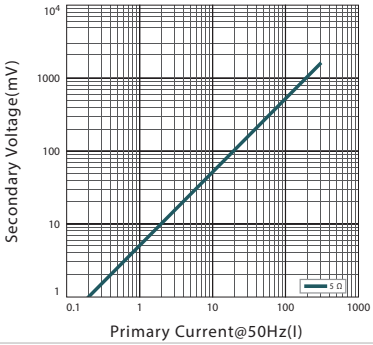
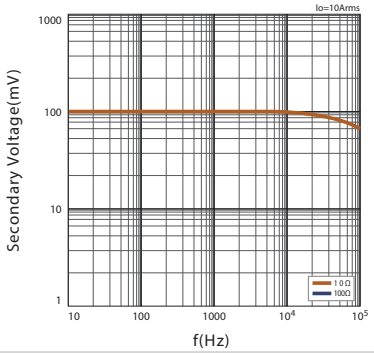
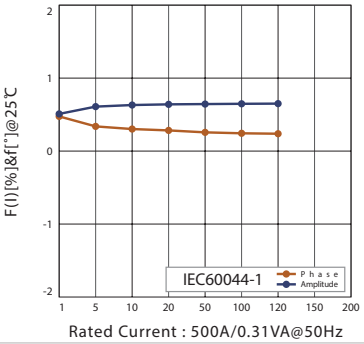
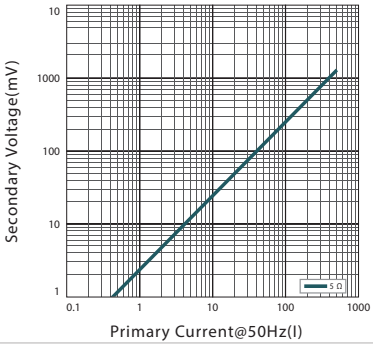
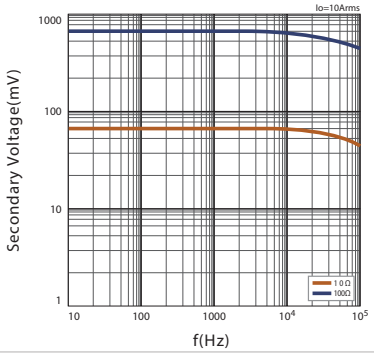
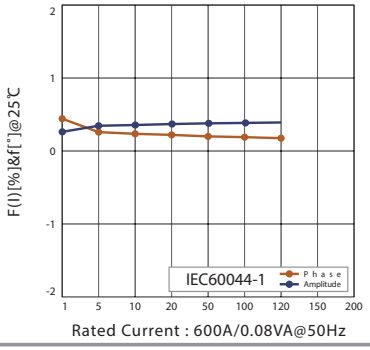
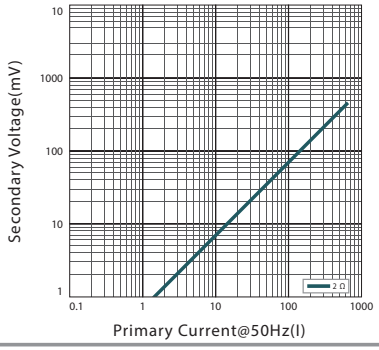
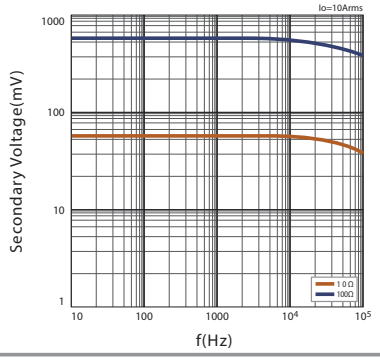
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

SPECIFICATION

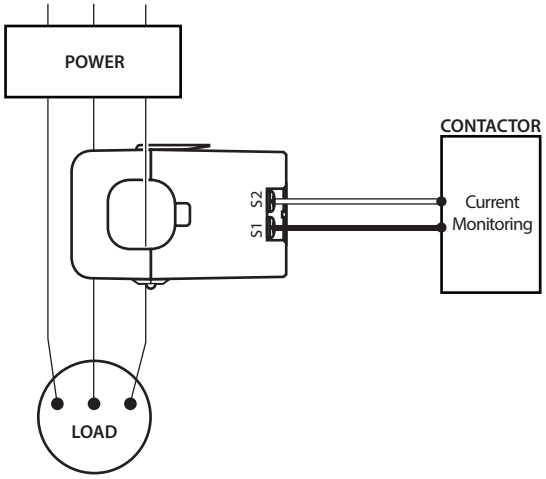
(F=50/60Hz)

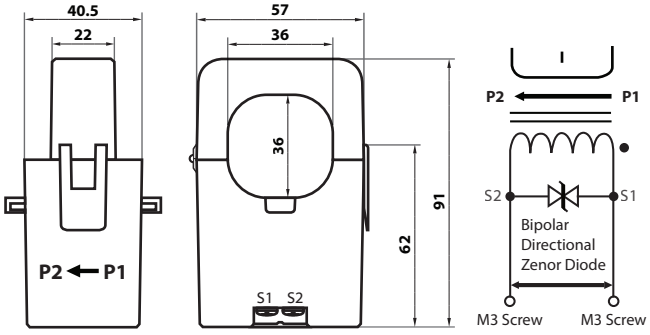
Model	JC36S-1 Ø36	JC36S-2 Ø36	JC36S-3 Ø36
Current Ratio	300A/300mA	500A/250mA	600A/200mA
Current Range	0.1~300A (RL=5Ω)	0.1~500A (RL=5Ω)	0.1~620A (RL=2Ω)
Max Continuous Current	400A	600A	650A
Nominal Phase Angle Error	+0.5±0.5˚	+0.5±0.5˚	+0.5±0.5˚
Nominal Linearity Error	±1%	±1%	±1%
Turns Ratio	1000:1(Winding : 990T)	2000:1(Winding : 1970T)	3000:1(Winding : 2955T)
DCR	7±2Ω	33±4Ω	58±7Ω
Protection Level	3.0V0-P	3.0V0-P	3.0V0-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
JC36S-1			
JC36S-2			
JC36S-3			

APPLICATIONS / DIMENSIONS

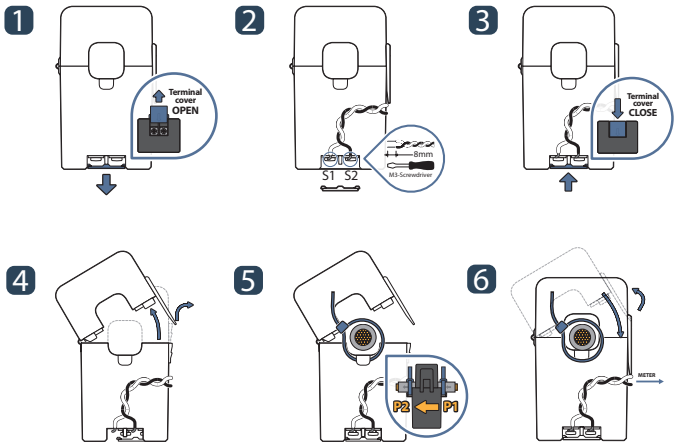




REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JCXXF-333mV series

E344623

HOW TO USE



JC series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JC series to meter for high accuracy metering application. 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.

APPLICATIONS

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

FEATURES

- High accuracy : 1% from 10% to 120% of rated current
- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

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.(Ø10, Ø16, Ø24 type)
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.(Ø36 type)
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

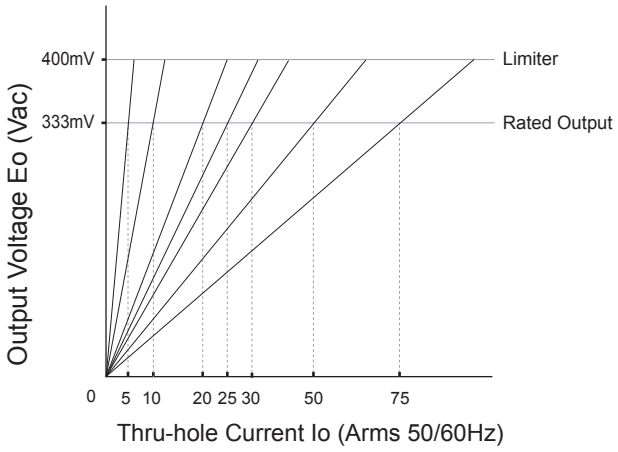
SPECIFICATION

(F=50/60Hz)

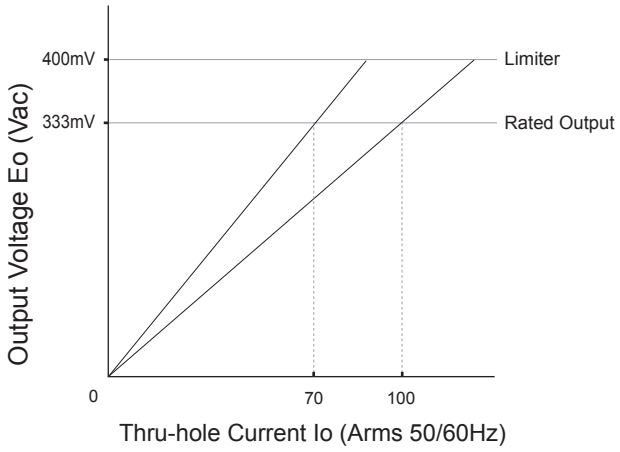
Model	JC10F-333(xxx) Ø10	JC16F-333(xxx) Ø16	JC24F-333(xxx) Ø24	JC36S-333(xxx) Ø36
Amperage Range	5, 10, 20, 25 30, 50, 75	70, 100	5, 10, 30, 50, 70 100, 150, 200	300, 400, 500, 600
Output Voltage	333mV			
Nominal Phase Angle Error	+1.5 ± 1˚	+1.0 ± 1˚	+1.0 ± 1˚	+0.5 ± 0.5˚
Nominal Linearity Error	-1 ± 1%	-1 ± 1%	-1 ± 1%	± 1%
Protection Level	2.2V0-P			3.0V0-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			

OUTPUT VOLTAGE DATA

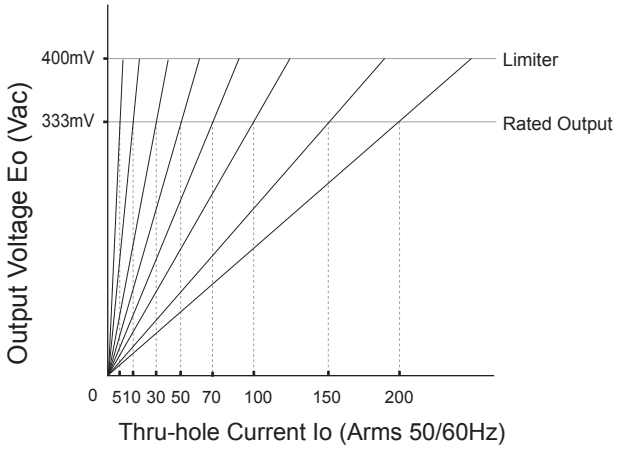
JC10F-333



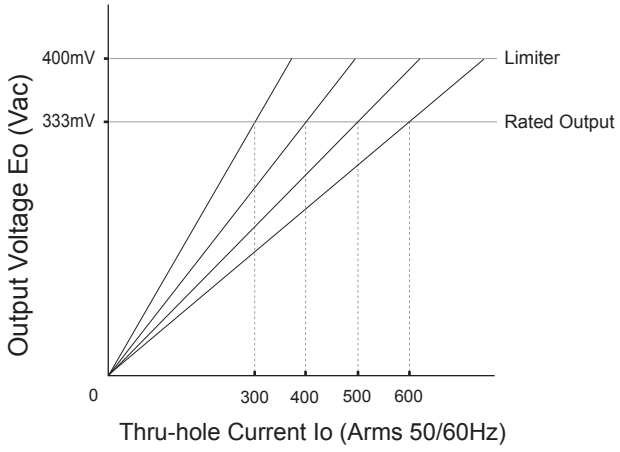
JC16F-333



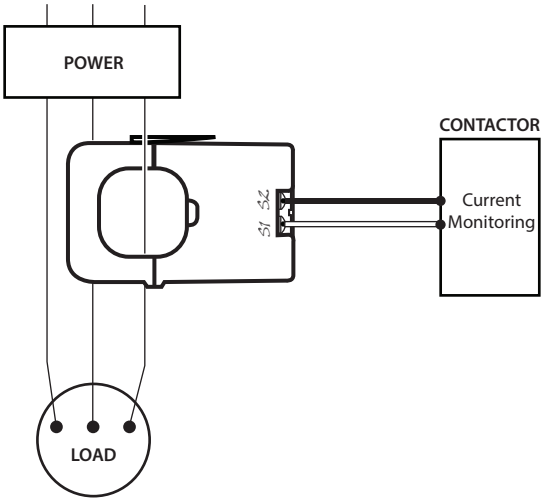
JC24F-333

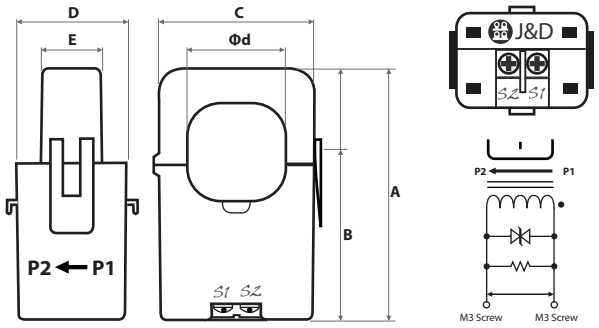


JC36S-333



APPLICATIONS / DIMENSIONS



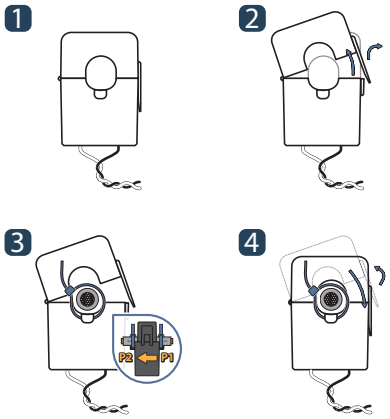


Unit : mm

Model	A	B	C	D	E	Ød
JC10F-333	50	38	23	26	14.5	10
JC16F-333	55	41	29.5	31	19	16
JC24F-333	74.5	52	45	34	22	24
JC36S-333	91	62	57	40.5	22	36

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JCXXFL-333mV series

HOW TO USE



JC series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JC series to meter for high accuracy metering application. 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.

APPLICATIONS

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

FEATURES

- High accuracy : 1% from 10% to 120% of rated current
- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

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.
- Customizing output lead wire

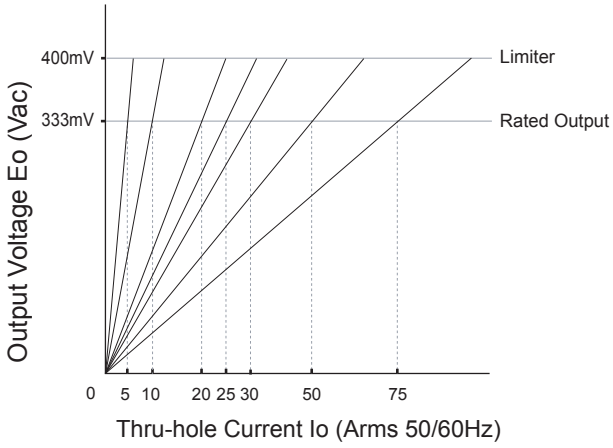
SPECIFICATION

(F=50/60Hz)

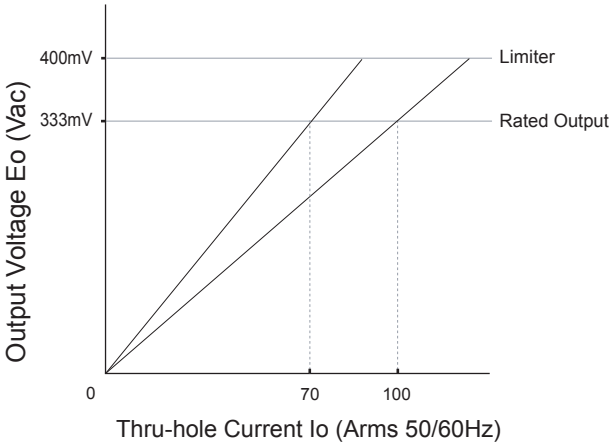
Model	JC10FL-333(xxx) Ø10	JC16FL-333(xxx) Ø16
Amperage Range	5, 10, 20, 25 30, 50, 75	70, 100
Output Voltage	333mV	
Nominal Phase Angle Error	+1.5 ± 1°	+1.0 ± 1°
Nominal Linearity Error	-1 ± 1%	-1 ± 1%
Protection Level	2.2V0-P	
Insulation Category	CATⅢ	
Operating Condition	-20°C~+50°C, ≤85%RH, No condensation, In-house & Any direction installable	
Storage Condition	-30°C~+90°C, ≤85%RH, No condensation	

OUTPUT VOLTAGE DATA

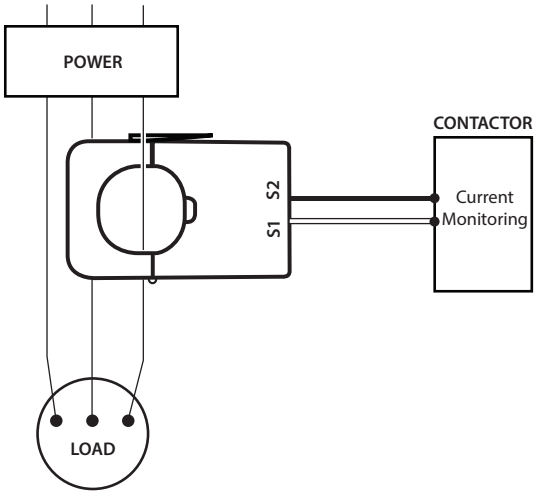
JC10FL-333



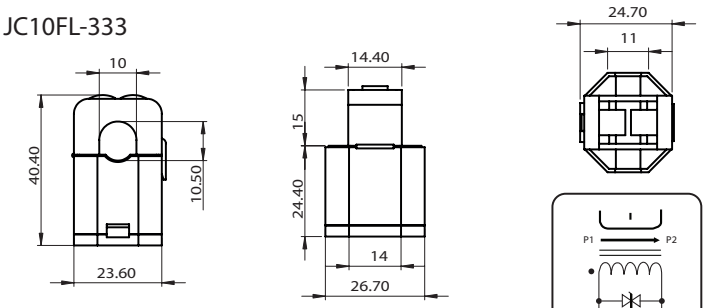
JC16FL-333



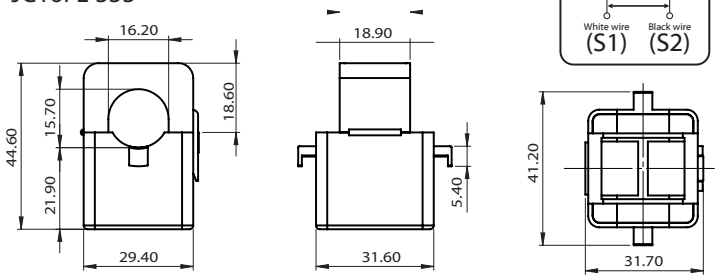
APPLICATIONS / DIMENSIONS



JC10FL-333

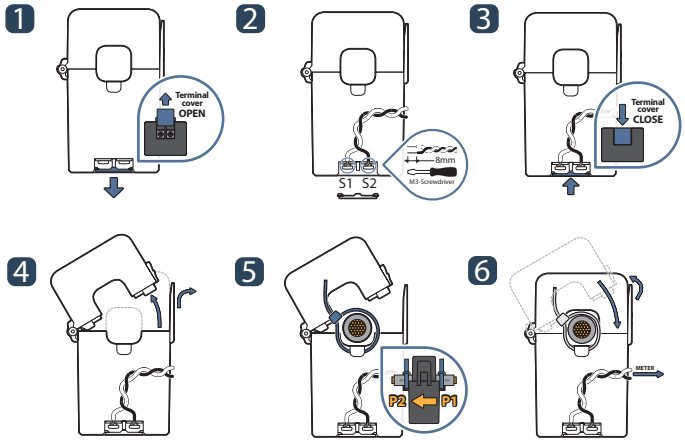


JC16FL-333



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXF-XXX-333mV series

HOW TO USE



JS series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

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

FEATURES

- PC 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

BENEFITS

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

NOTICE

- If you impact the core surface, internal core material could be damaged.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS17F-000/333mV

Model	JS17F
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

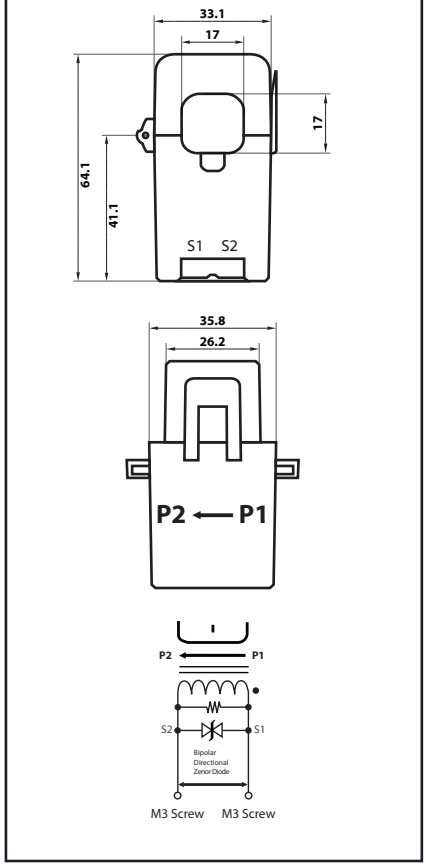
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100
125			0.05	125
150			0.05	150

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS24F-000/333mV

Model	JS24F
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

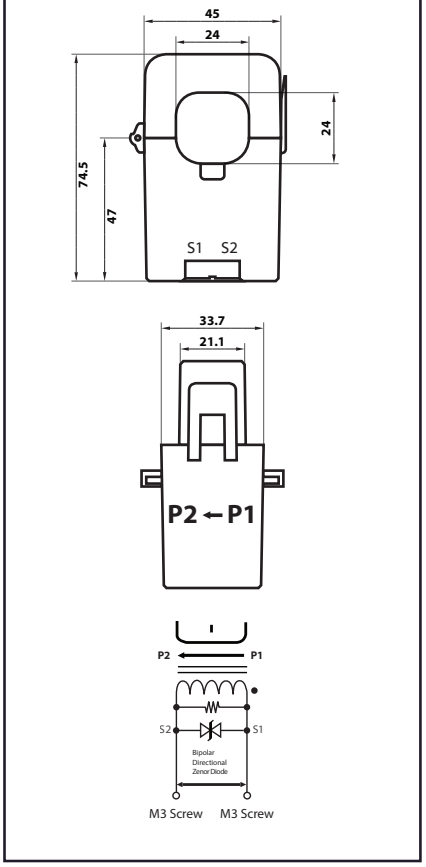
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
200		0.05		200

333mV Secondary

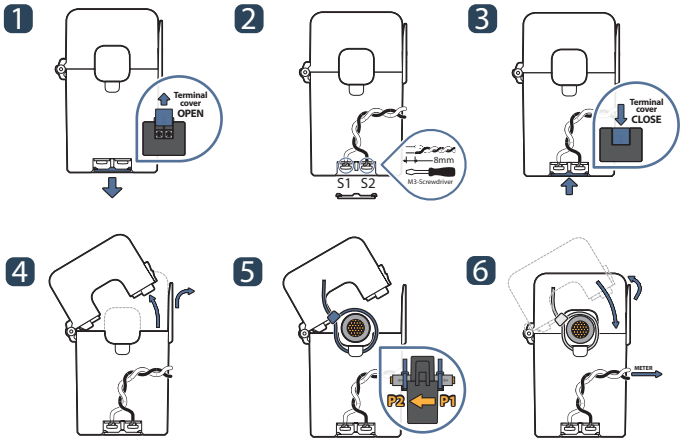
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXS-XXX-333mV series

HOW TO USE



JS series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

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

FEATURES

- PC 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS17S-000/333mV

Model	JS17S
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

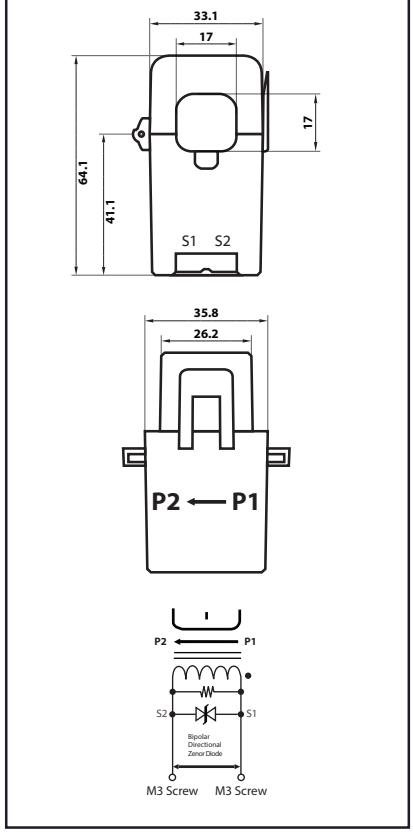
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
200		0.05		200

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS24S-000/333mV

Model	JS24S
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

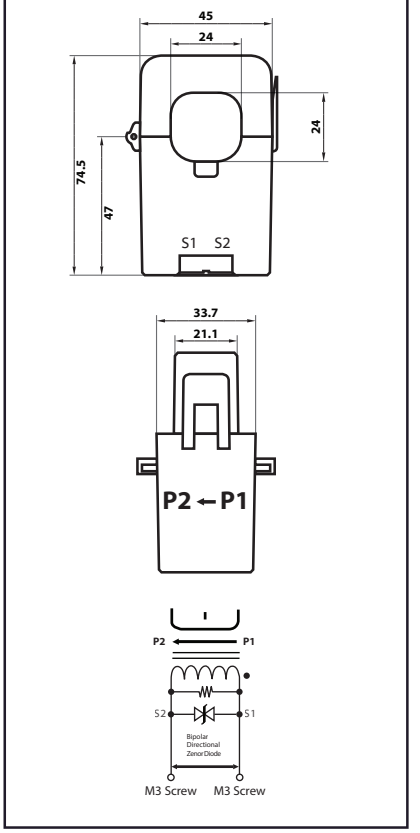
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		250
300		0.05		300

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS36S-000/333mV

Model	JS36S
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

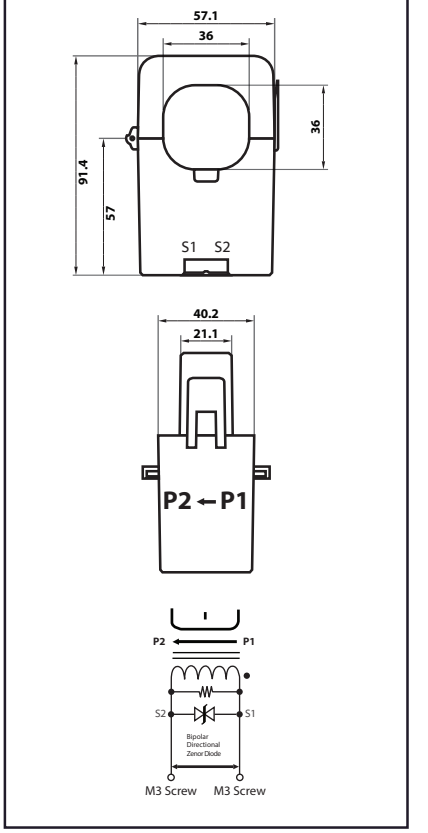
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
300		0.05		300
400		0.05		400
500		0.05		500
600		0.05		600

333mV Secondary

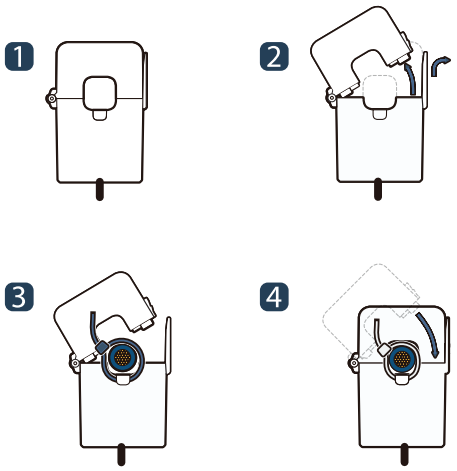
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXFL-XXX-333mV series

HOW TO USE



JS series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- PC spring, 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

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

NOTICE
- If you impact the core surface, internal core material could be damaged.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS10FL 000 333mV

Model JS10FL
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

How to Order / Model Reference

eg JS16FL 000 333mV

Model JS16FL
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

How to Order / Model Reference

eg JS24FL 000 333mV

Model JS24FL
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
5			0.05	005
10			0.05	010
20			0.05	020
25			0.05	025
30			0.05	030
50			0.05	050
75			0.05	075

333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
70			0.05	070
100			0.05	100

333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

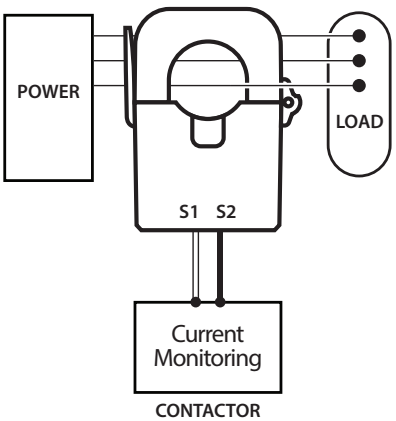
Current Transformer Ratios

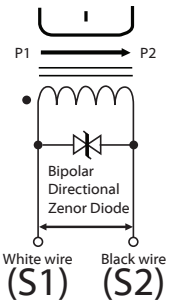
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
5			0.05	005
10			0.05	010
30			0.05	030
50			0.05	050
70			0.05	070
100			0.05	100
150			0.05	150
200			0.05	200

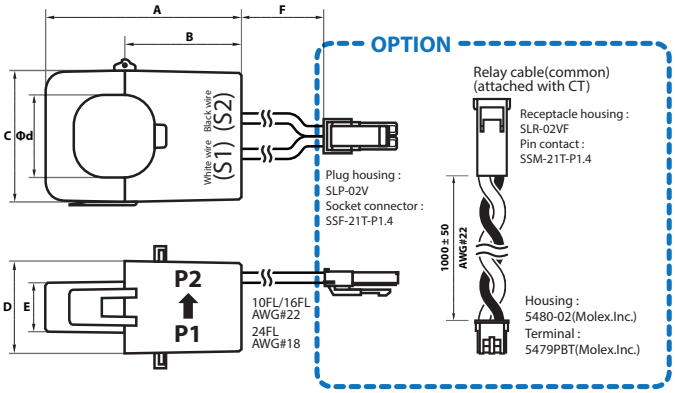
333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS





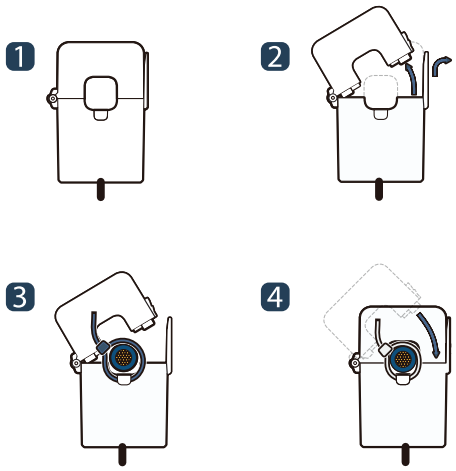


Unit : mm

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

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXNL-XXX-333mV series

HOW TO USE



JS series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- PC spring, 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

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS10NL 000 333mV

Model JS10NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV 333mV

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
5			0.05	005
10			0.05	010
20			0.05	020
25			0.05	025
30			0.05	030
50			0.05	050
75			0.05	075

333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS16NL 000 333mV

Model JS16NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV 333mV

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
70			0.05	070
100			0.05	100

333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS24NL 000 333mV

Model JS24NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV 333mV

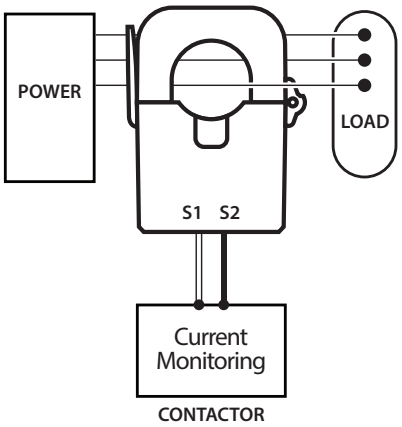
Current Transformer Ratios

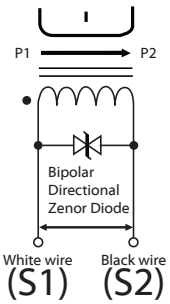
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
5			0.05	005
10			0.05	010
30			0.05	030
50			0.05	050
70			0.05	070
100			0.05	100
150			0.05	150
200			0.05	200

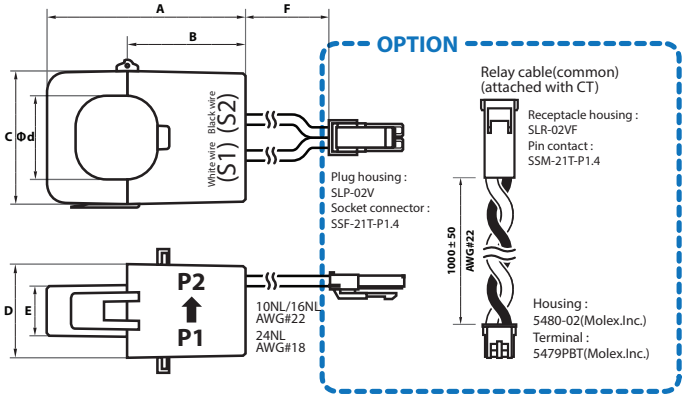
333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS







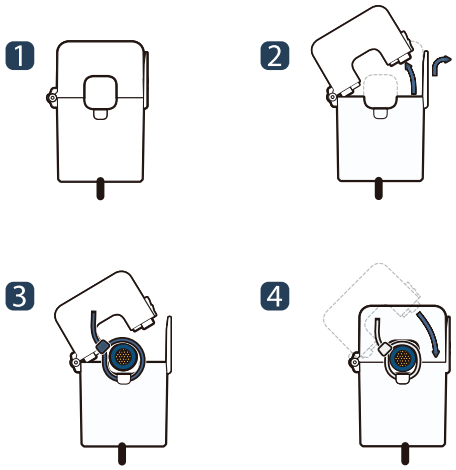
Unit : mm

Model	A	B	C	D	E	F	Ød
JS10NL	40.5	23	23.7	26.6	14.5	150±20	10
JS16NL	45	26	30	31.6	18.8	150±20	16
JS24NL	65	37.5	45	33.7	21.1	200±20	24

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXSL-XXX-333mV series

E344623

HOW TO USE



JS series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- PC spring, 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

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CATⅡ or CATⅢ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS24SL 000 333mV

Model	JS24SL
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
250			0.05	250
300			0.05	300

333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS36SL 000 333mV

Model	JS36SL
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333mV

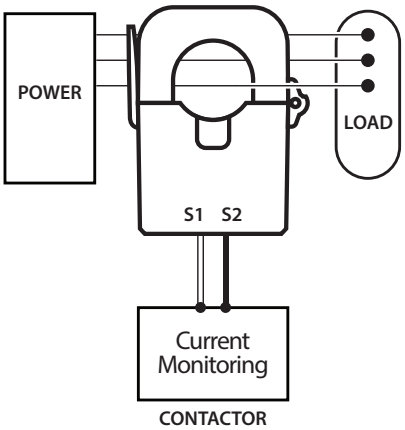
Current Transformer Ratios

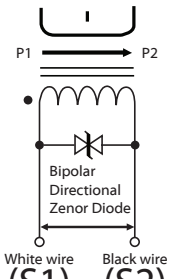
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
300			0.05	300
400			0.05	400
500			0.05	500
600			0.05	600

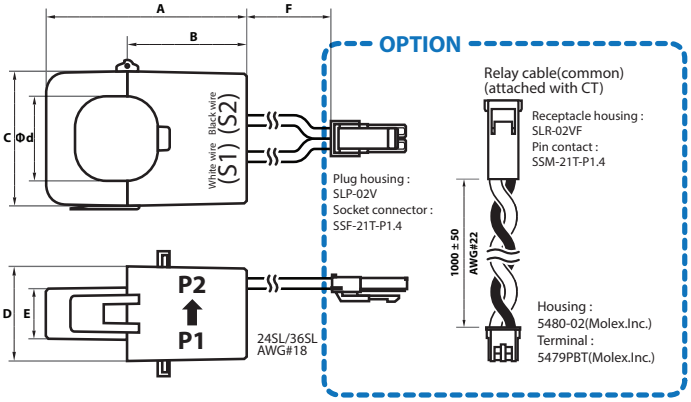
333mV Secondary

Accuracy conforms to IEC 61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS





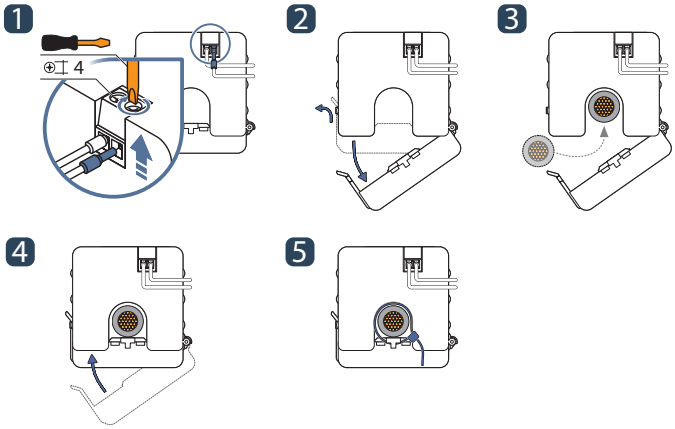


Unit : mm

Model	A	B	C	D	E	F	Ød
JS24SL	65	37.5	45	33.7	21.1	200±20	24
JS36SL	82.4	48	57.1	40.2	21.1	200±20	36

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JM21X-XXX-333mV series

HOW TO USE



JM21X series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JM21X series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- Steel spring plate, output-terminal, secure locking hinge, one-touch structure make easy to install to existing equipment such as a power distribution board
- 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.

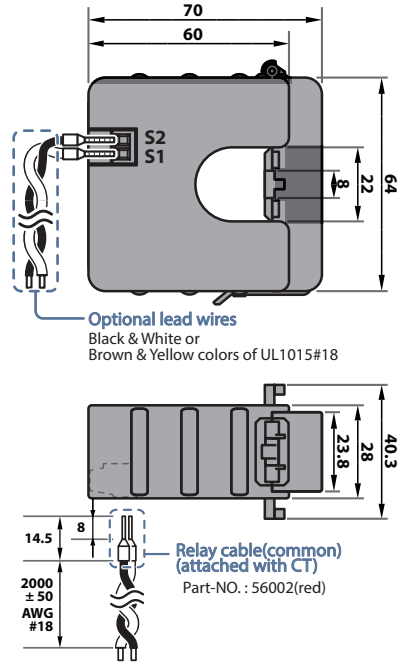
NOTICE

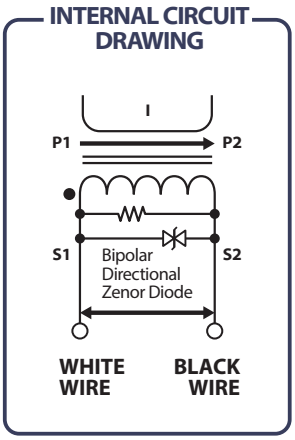
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

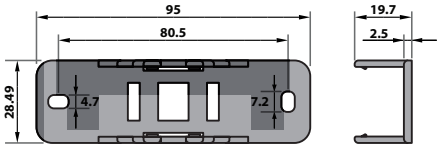
Accuracy	IEC Class 0.5S / ANSI Class 0.6
Output Terminals	Terminal Block(2P) - PART NUMBER : LM5.08/02/90 SW(black)
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2, IEEE/ANSI C57.13 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Latch/Unlatch	about 100 times
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	5.1V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

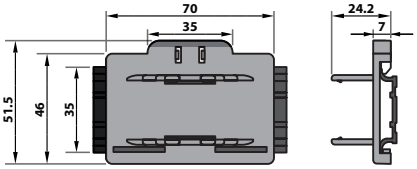




- **PANEL MOUNT**



- **DIN RAIL MOUNT**



How to Order / Model Reference

eg J M 2 1 X - 0 0 0 / 3 3 3 mV

Model	J M 2 1 X
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	3 3 3 mV

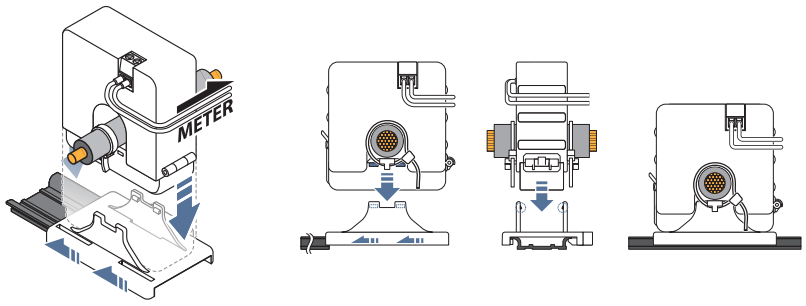
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
5	0.001			005
15	0.01			015
20	0.03			020
30	0.05			030
50	0.01			050
70	0.01			070
100	0.02			100
150	0.03			150
200	0.04			200
250	0.05			250
				333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

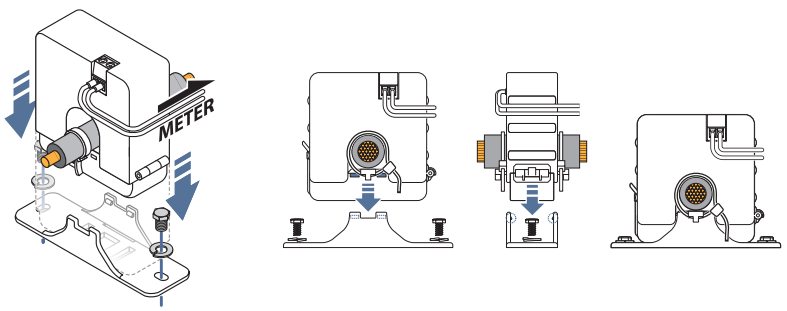
DIN RAIL MOUNTING

Mount the bracket on the rail and install current transformer



PANEL MOUNTING

Tighten screws on the hole to mount bracket and install current transformer



Precautions for the Warranty of Quality

- Split-core CT must be handled with care. A damage caused from the careless handling will not be covered by warranty.
- The product is designed to meet operating environments defined by the industrial standard IP20.
- Be careful to install the product with the correct polarity.
- Do not install the product if an application exceed the specifications of the product.
- Recommended to use the terminals specified by J&D.

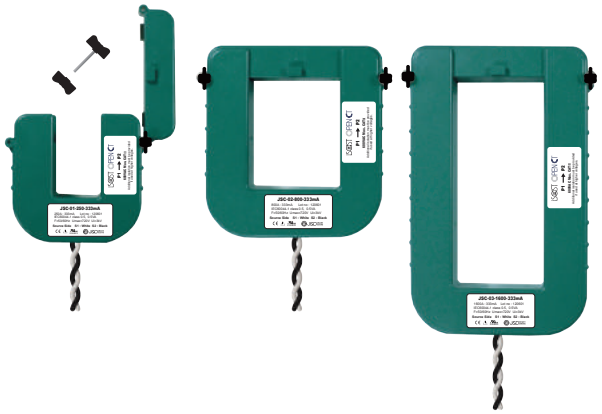
Check Point for the Accurate Measurement

- Protection circuit built in inside of the product for user safety. An additional external protection circuit would be impacted on the feature.
- The product is designed for measuring sinusoidal 50/60Hz of primary current. Be aware that it is possible to occur the significant error if it is used to measure non-sinusoidal.
- Use Split-core CT with proper diameter to fit the conductor, otherwise it may cause the ratio error and the phase shift.
- Be careful to install Split-core CT without any pollutions on the core surfaces. The pollutions such as moisture, dust and rusty can be caused the error. After removing the pollutions, recommended to use WD-40 or CRC5-56 on the core surfaces.
- Check whether the secondary leads is connected correctly or not. If the connection is not correctly, the secondary output could be lower than the expected one.

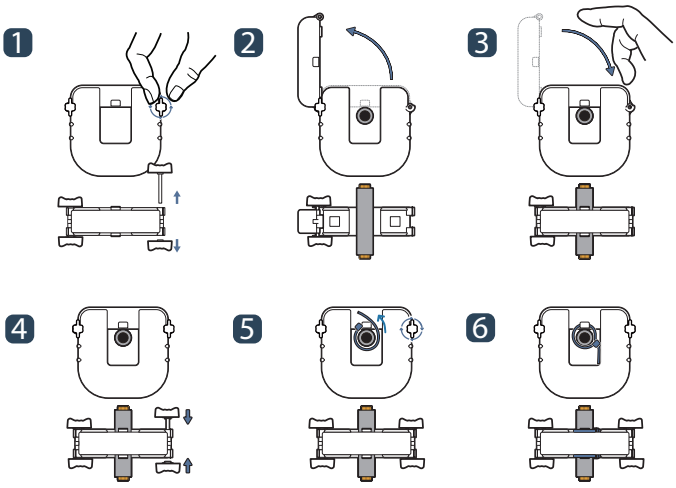
Remarks for the Customized Products

- Please provide the technical requirements for a technical evaluation.
- The color of housing is changeable upon the customer's requirements.
- The leads can be mounted on the terminals by J&D.
- A protective tailor-made housing is available.

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSC-XX-XXXX-333mV series



HOW TO USE



JSC series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JSC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS
- Faster installation
- Cost effective
- Long product life

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S
Leads	18AWG, 600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01-0000/333mV

Model JSC-01
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

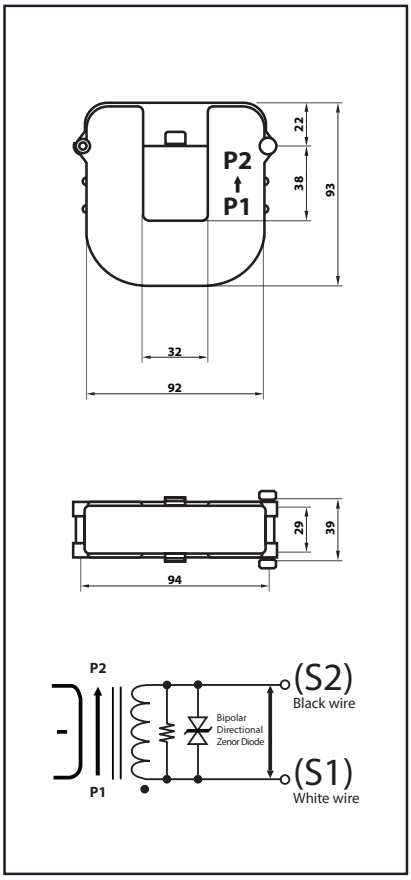
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		0250
400		0.05		0400

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-02-0000/333mV

Model JSC-02
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

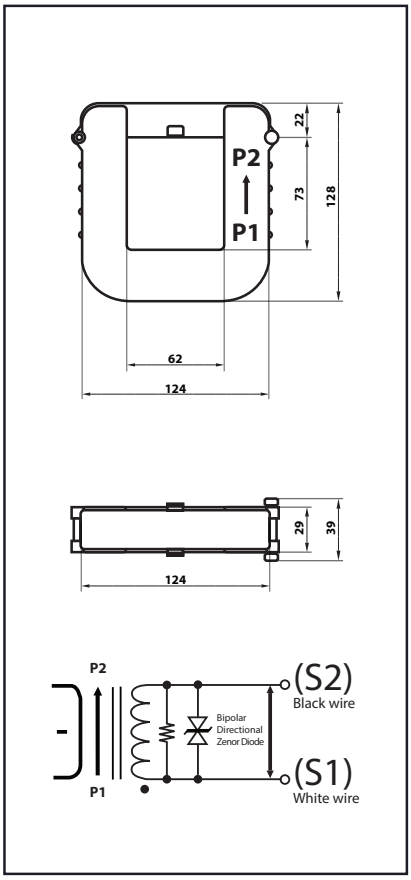
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
400		0.05		0400
600		0.05		0600
800		0.05		0800
1000		0.05		1000
1200		0.05		1200

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-03-0000/333mV

Model JSC-03
Primary Current
Select code from ratio table
Secondary Voltage
333mV 333mV

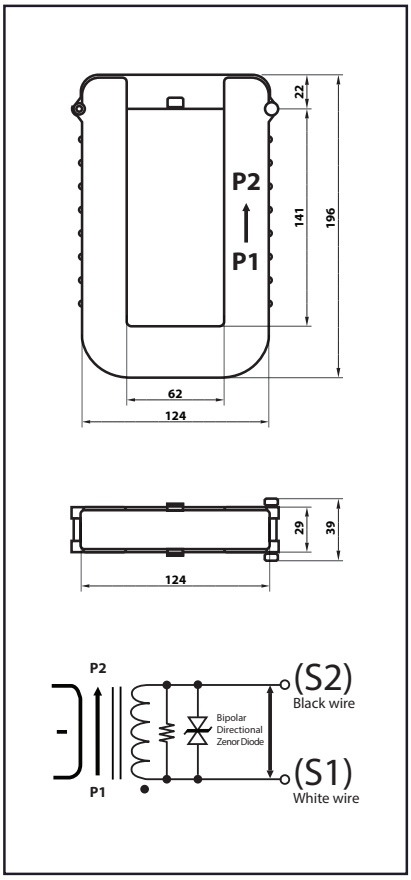
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
800		0.05		0800
1000		0.05		1000
1200		0.05		1200
1600		0.05		1600
2000		0.05		2000
2400		0.05		2400

333mV Secondary

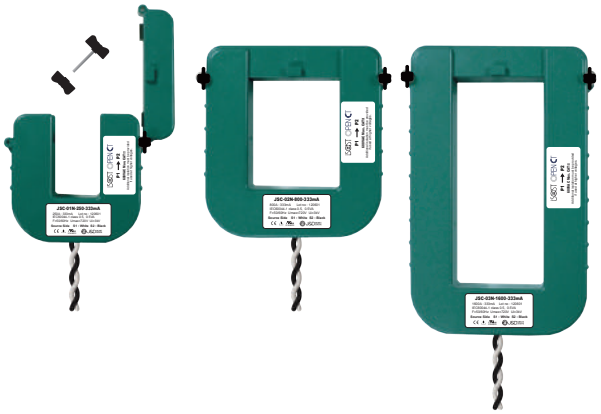
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

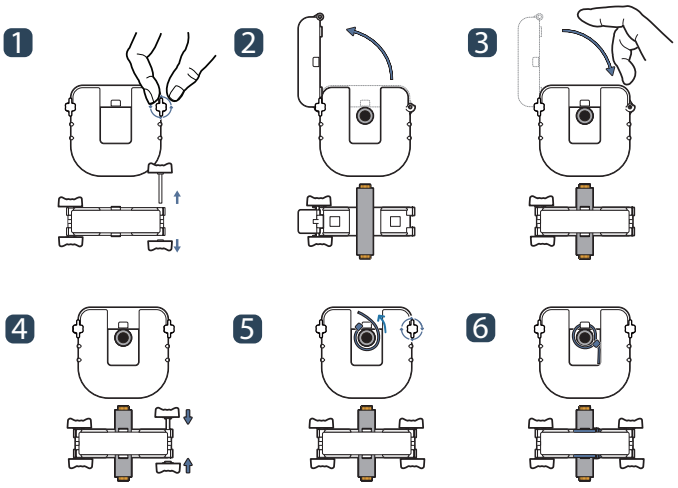


REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER

JSC-XXN-XXXX-333mV series



HOW TO USE



JSC series of split-core current transformer offers 333mV at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JSC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS

- Faster installation
- Cost effective
- Long product life

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S
Leads	18AWG, 600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01N-0000/333mV

M	JSC-01N
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333 mV

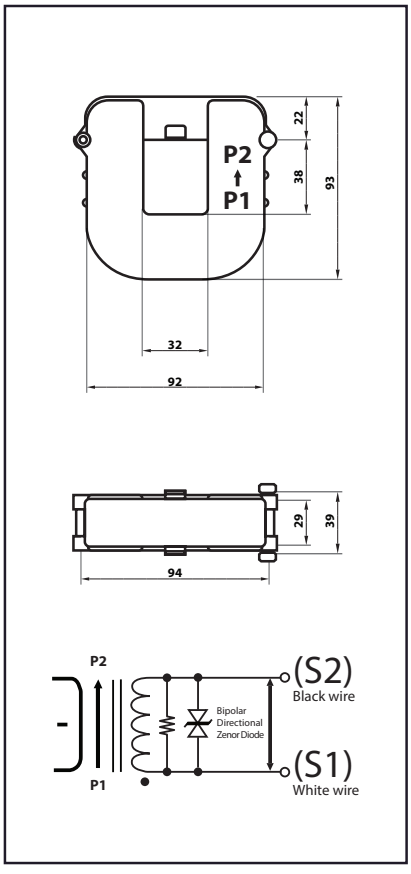
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		0250
400		0.05		0400

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-02N-0000/333mV

M	JSC-02N
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333 mV

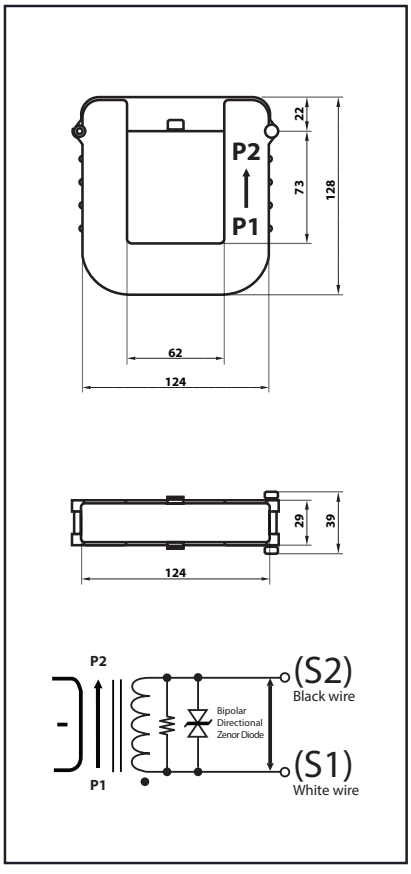
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
400		0.05		0400
600		0.05		0600
800		0.05		0800
1000		0.05		1000
1200		0.05		1200

333mV Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-03N-0000/333mV

M	JSC-03N
Primary Current	
Select code from ratio table	
Secondary Voltage	
333mV	333 mV

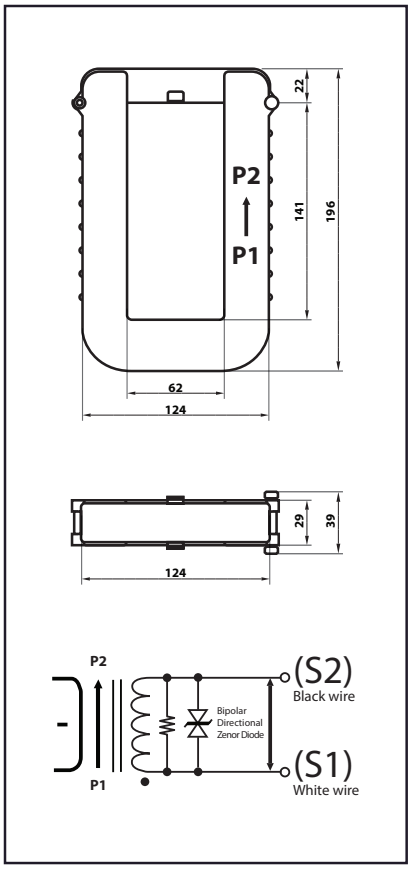
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
800		0.05		0800
1000		0.05		1000
1200		0.05		1200
1600		0.05		1600
2000		0.05		2000
2400		0.05		2400

333mV Secondary

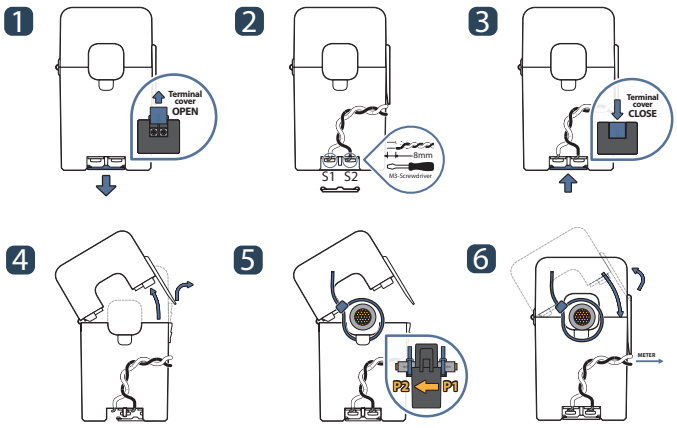
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JCXXF-XXX-100mA series

HOW TO USE



JC series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

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

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

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 recommanded to replace it with anything else.
- Customizing out put lead wire

SPECIFICATION

Accuracy	Class 1.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JC16F-000/100mA

Model	JC16F
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

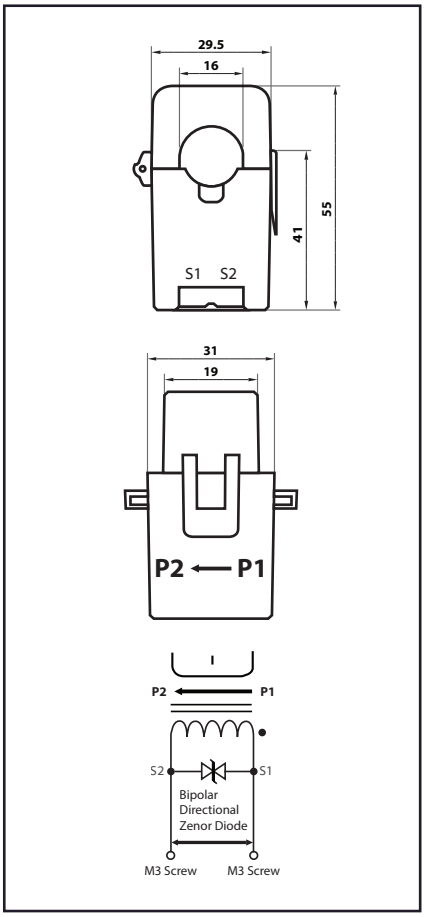
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100
125			0.05	125

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JC24F-000/100mA

Model	JC24F
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

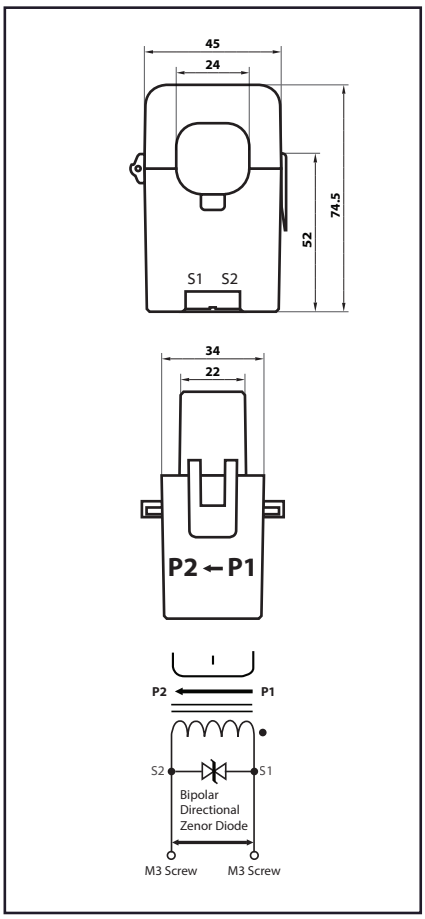
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
125			0.05	125
200			0.05	200

100mA Secondary

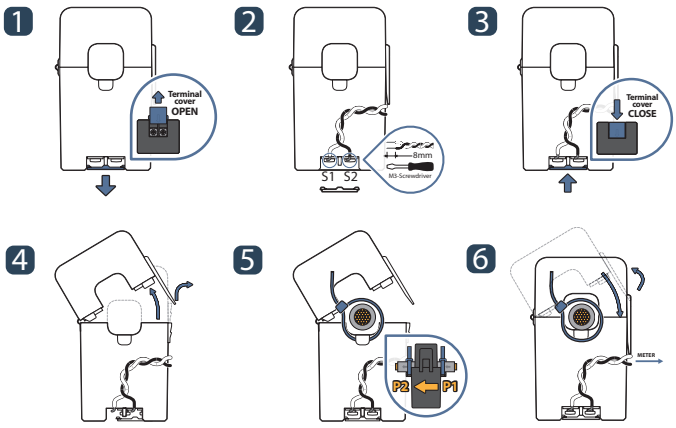
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JCXXN-XXX-100mA series

HOW TO USE



JC series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

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

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

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing out put lead wire

SPECIFICATION

Accuracy	Class 1.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JC16N-000/100mA

Model	JC16N
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

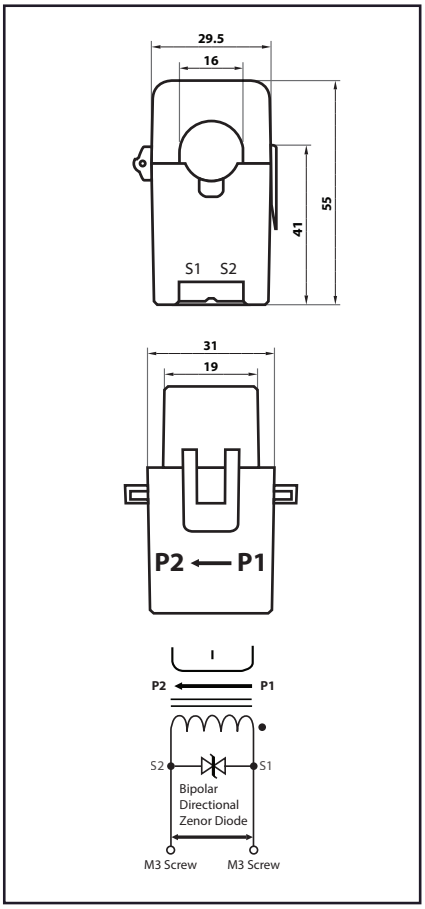
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100
125			0.05	125

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JC24N-000/100mA

Model	JC24N
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

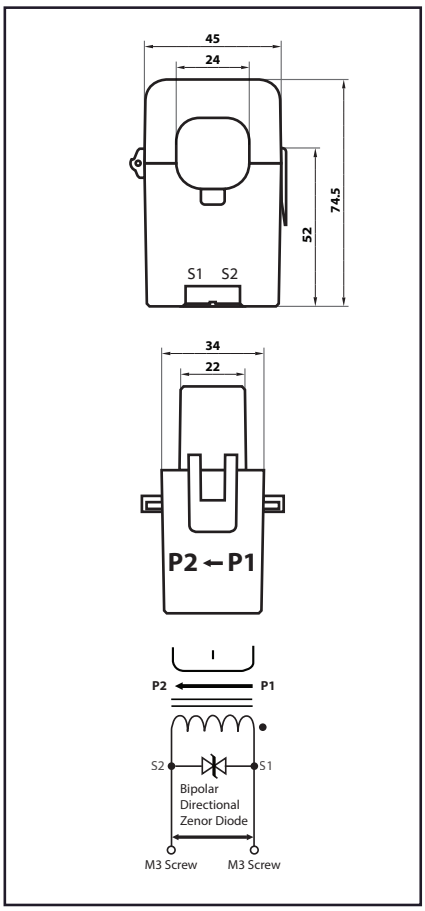
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
125			0.05	125
200			0.05	200

100mA Secondary

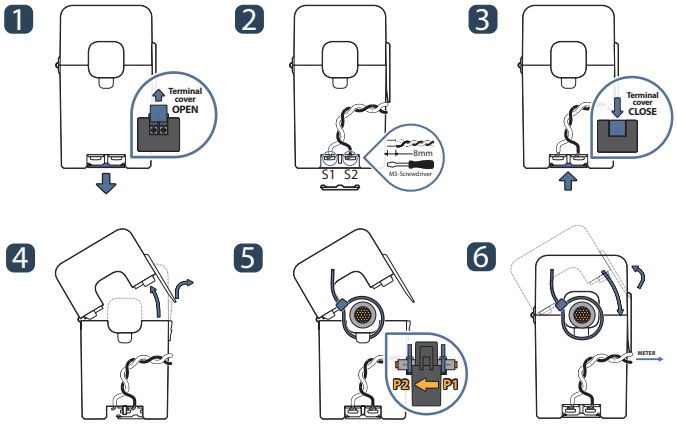
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXF-XXX-100mA series

HOW TO USE



JS series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

NOTICE

- If you impact the core surface, internal core material could be damaged.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS17F-000/100mA

Model	JS17F
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

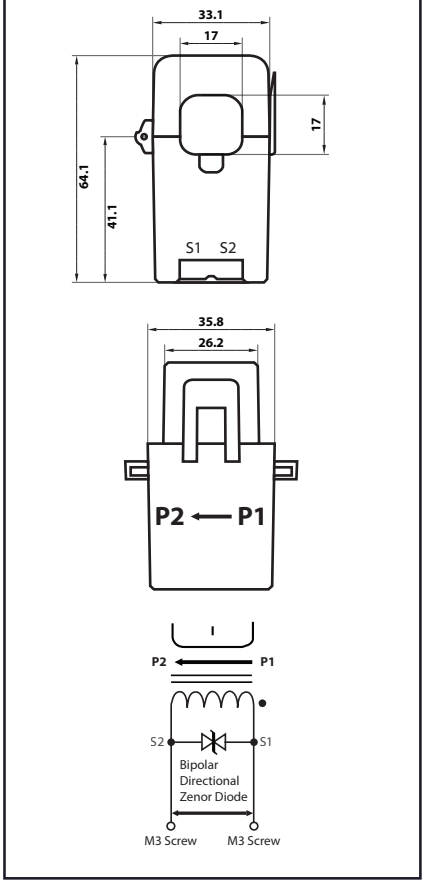
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100
125			0.05	125
150		0.05		150

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS24F-000/100mA

Model	JS24F
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

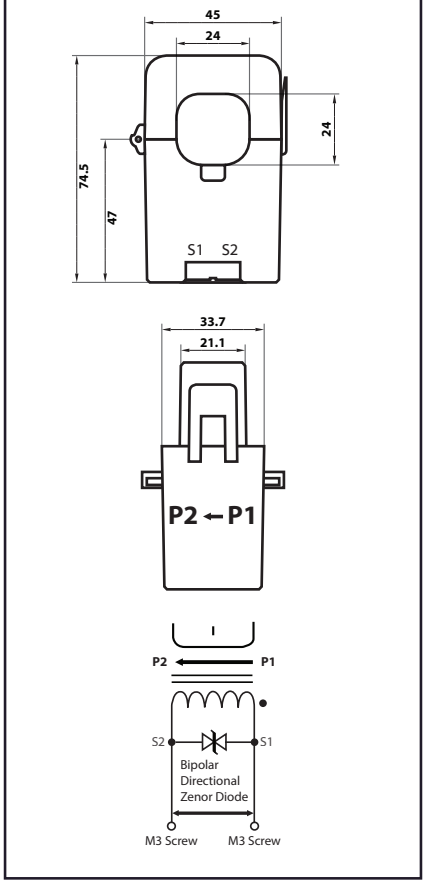
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
200		0.05		200

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

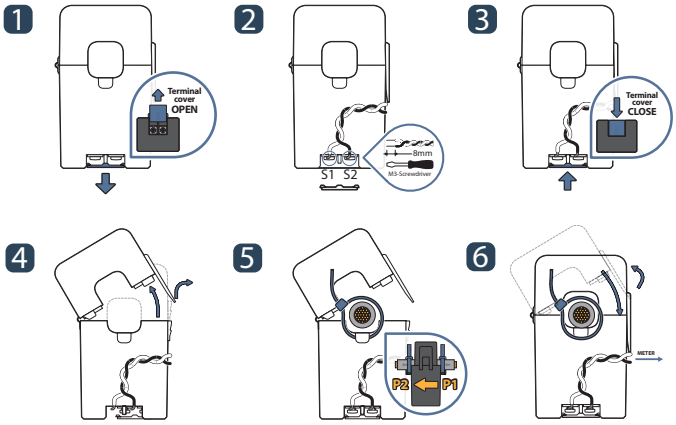
Dimensions



REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXS-XXX-100mA series

E344623

HOW TO USE



JS series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side.
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS17S-000/100mA

Model JS17S

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

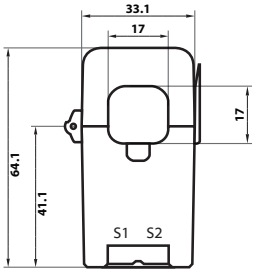
Current Transformer Ratios

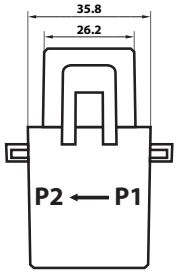
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
200		0.05		200

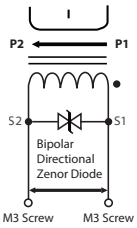
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JS24S-000/100mA

Model JS24S

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

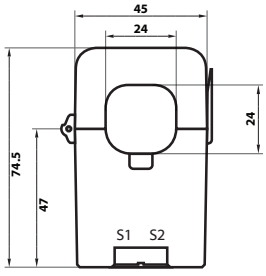
Current Transformer Ratios

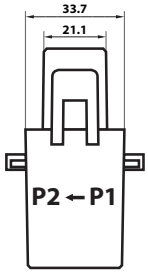
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		250
300		0.05		300

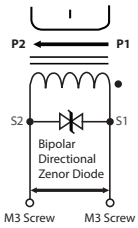
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JS36S-000/100mA

Model JS36S

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

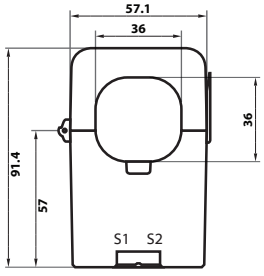
Current Transformer Ratios

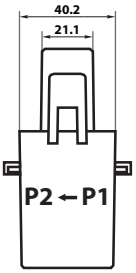
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
300		0.05		300
400		0.05		400
500		0.05		500
600		0.05		600

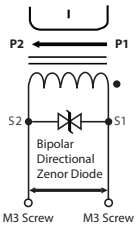
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

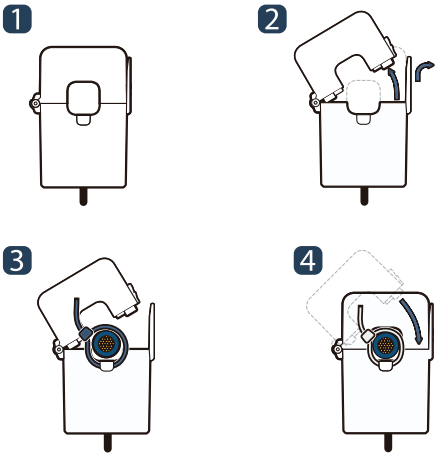






REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXFL-XXX-100mA series

HOW TO USE



JS series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC spring, 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

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.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS16FL 000 100mA

Model	JS16FL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS24FL 000 100mA

Model	JS24FL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

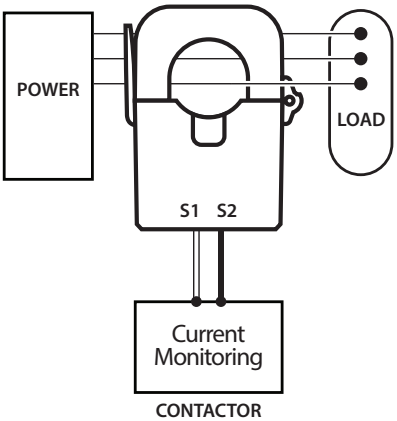
Current Transformer Ratios

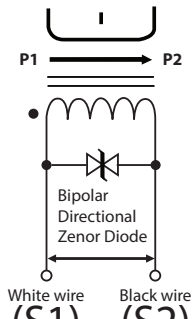
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
200			0.05	200

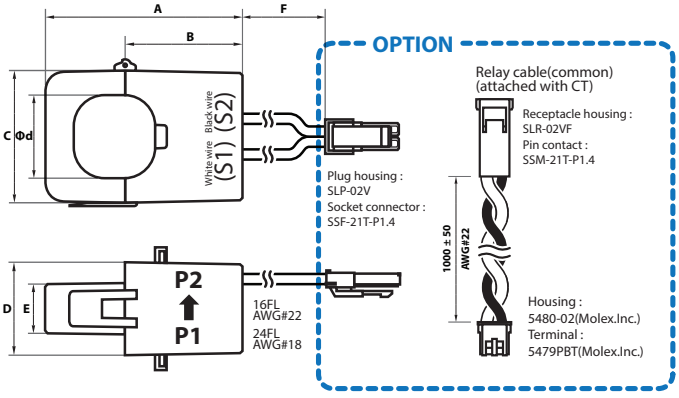
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS







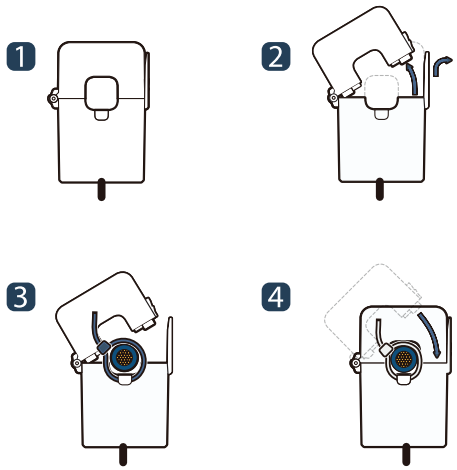
Unit : mm

Model	A	B	C	D	E	F	Ød
JS16FL	45	26	30	31.6	18.8	150±20	16
JS24FL	65	37.5	45	33.7	21.1	200±20	24

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXNL-XXX-100mA series

E344623

HOW TO USE



JS series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JS series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- PC spring, 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

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS16NL 000 100mA

Model	JS16NL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
50			0.05	050
100			0.05	100

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS24NL 000 100mA

Model	JS24NL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

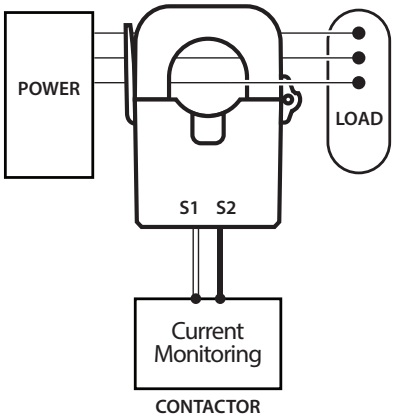
Current Transformer Ratios

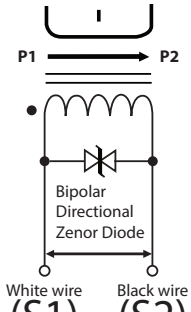
Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
200			0.05	200

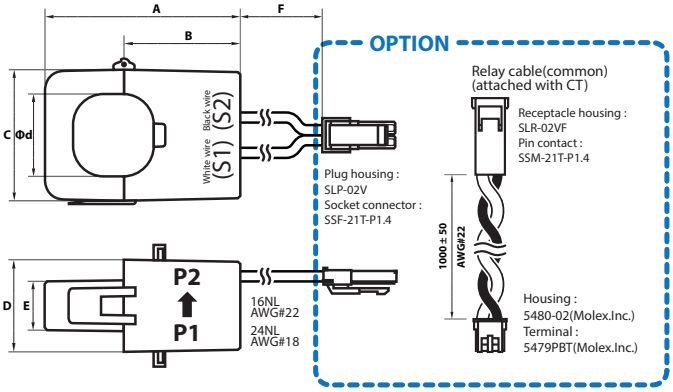
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS







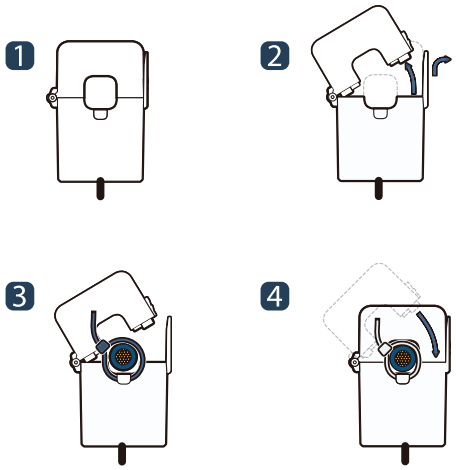
Unit : mm

Model	A	B	C	D	E	F	Ød
JS16NL	45	26	30	31.6	18.8	150±20	16
JS24NL	65	37.5	45	33.7	21.1	200±20	24

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSXXSL-XXX-100mA series

E344623

HOW TO USE



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APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC spring, 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS24SL 000 100mA

Model	JS24SL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.2S	cl. 0.5S	cl. 1	
	cl. 0.3	cl. 0.6	cl. 1.2	
250			0.05	250
300			0.05	300

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

How to Order / Model Reference

eg JS36SL 000 100mA

Model	JS36SL
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

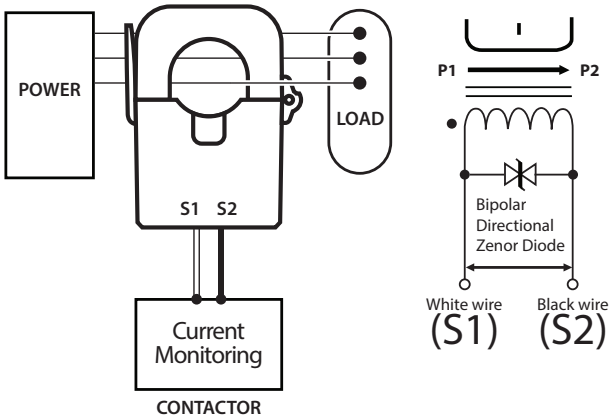
Current Transformer Ratios

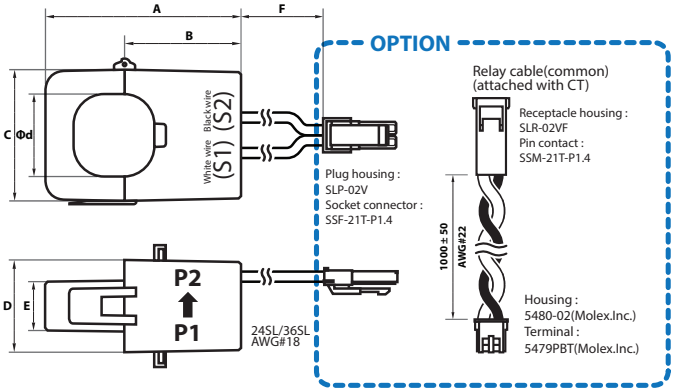
Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.2S	cl. 0.5S	cl. 1	
	cl. 0.3	cl. 0.6	cl. 1.2	
300			0.05	300
400			0.05	400
500			0.05	500
600			0.05	600

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

APPLICATIONS / DIMENSIONS





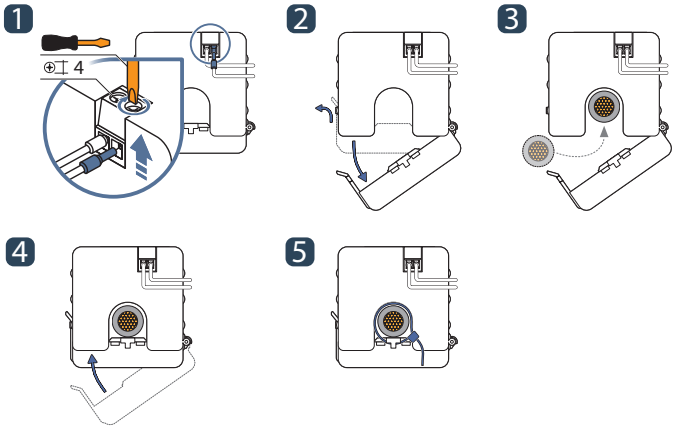
Unit : mm

Model	A	B	C	D	E	F	Ød
JS24SL	65	37.5	45	33.7	21.1	200±20	24
JS36SL	82.4	48	57.1	40.2	21.1	200±20	36

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JM21X-XXX-100mA series

E344623

HOW TO USE



JM21X series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JM21X series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- Steel spring plate, output-terminal, secure locking hinge, one-touch structure easily to install to existing equipment such as a power distribution board
- Isolated plastic case recognized according to UL94-V0
- UL / EN 61010 - 1 certified

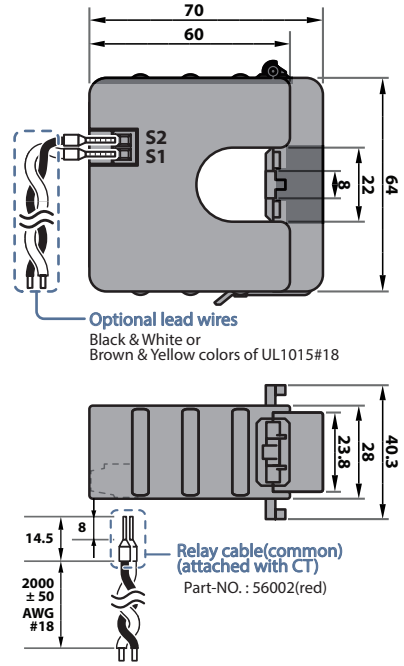
BENEFITS
- Small-size, light-weight
- Simple Installation
- Over-Voltage protection circuit is installed.

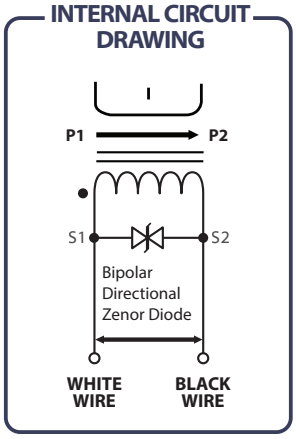
NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	IEC Class 0.5S / ANSI Class 0.6
Output Terminals	Terminal Block(2P) - PART NUMBER : LM5.08/02/90 SW(black)
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2, IEEE/ANSI C57.13 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Latch/Unlatch	about 100 times
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	5.1V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS





How to Order / Model Reference

eg J M 2 1 X - 0 0 0 / 1 0 0 mA

Model	J M 2 1 X
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	1 0 0 mA

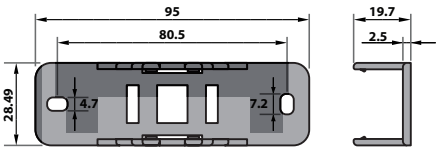
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
50	0.01	0.02		050
70	0.01	0.02		070
100	0.01	0.05		100
125	0.01	0.05		125
150	0.01	0.05		150
200	0.05			200
250	0.05			250

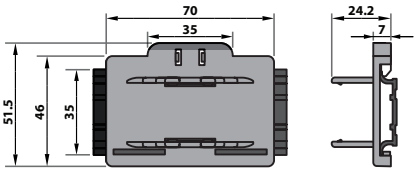
100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

- **PANEL MOUNT**

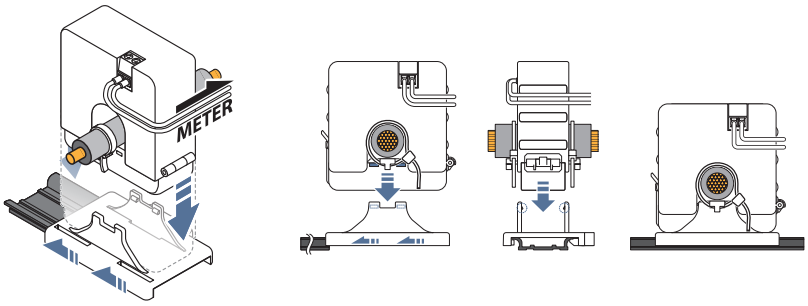


- **DIN RAIL MOUNT**



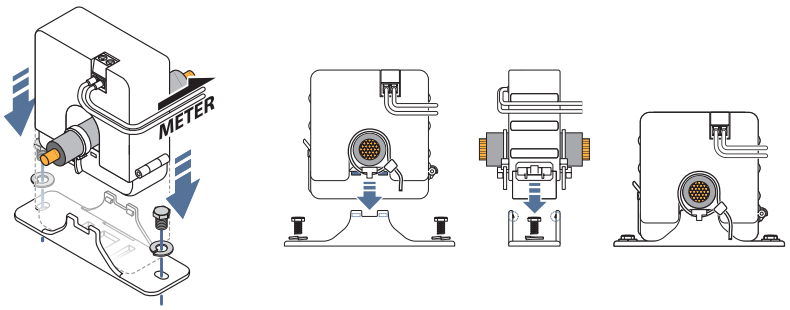
DIN RAIL MOUNTING

Mount the bracket on the rail and install current transformer



PANEL MOUNTING

Tighten screws on the hole to mount bracket and install current transformer



Precautions for the Warranty of Quality

- Split-core CT must be handled with care. A damage caused from the careless handling will not be covered by warranty.
- The product is designed to meet operating environments defined by the industrial standard IP20.
- Be careful to install the product with the correct polarity.
- Do not install the product if an application exceed the specifications of the product.
- Recommended to use the terminals specified by J&D.

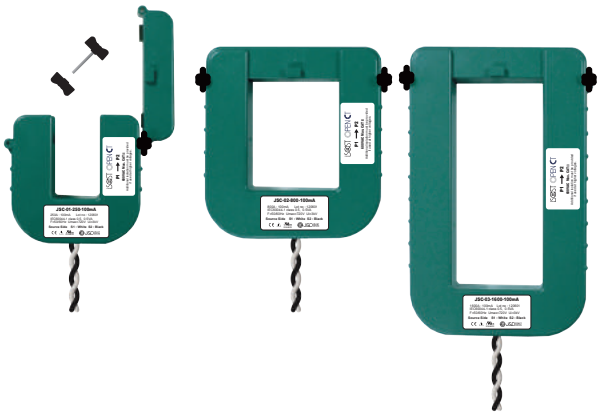
Check Point for the Accurate Measurement

- Protection circuit built in inside of the product for user safety. An additional external protection circuit would be impacted on the feature.
- The product is designed for measuring sinusoidal 50/60Hz of primary current. Be aware that it is possible to occur the significant error if it is used to measure non-sinusoidal.
- Use Split-core CT with proper diameter to fit the conductor, otherwise it may cause the ratio error and the phase shift.
- Be careful to install Split-core CT without any pollutions on the core surfaces. The pollutions such as moisture, dust and rusty can be caused the error. After removing the pollutions, recommended to use WD-40 or CRC5-56 on the core surfaces.
- Check whether the secondary leads is connected correctly or not. If the connection is not correctly, the secondary output could be lower than the expected one.

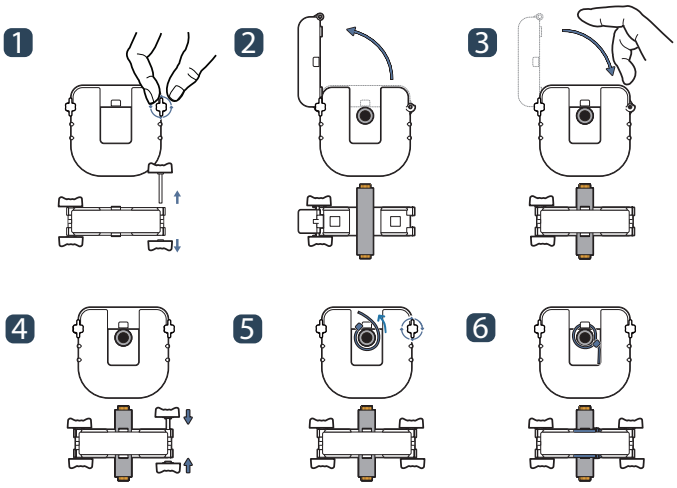
Remarks for the Customized Products

- Please provide the technical requirements for a technical evaluation.
- The color of housing is changeable upon the customer's requirements.
- The leads can be mounted on the terminals by J&D.
- A protective tailor-made housing is available.

REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER
JSC-XX-XXXX-100mA series



HOW TO USE



JSC series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JSC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS
- Faster installation
- Cost effective
- Long product life

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S
Leads	18AWG, 600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-90% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01-0000/100mA

Model JSC-01

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

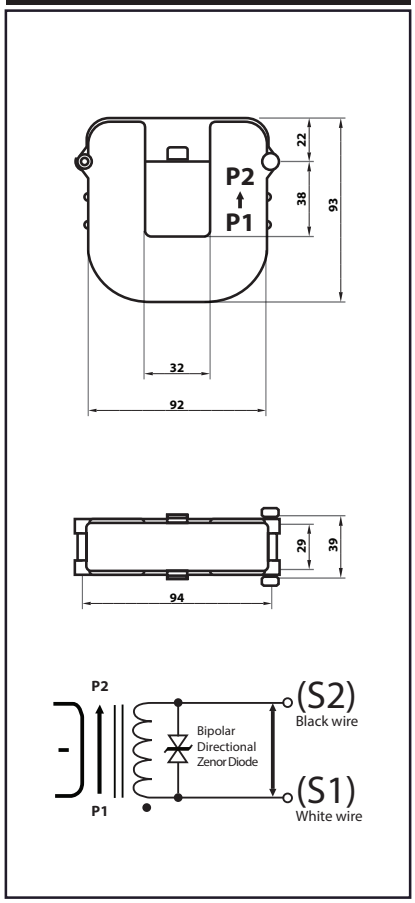
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		0250
400		0.05		0400

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-02-0000/100mA

Model JSC-02

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

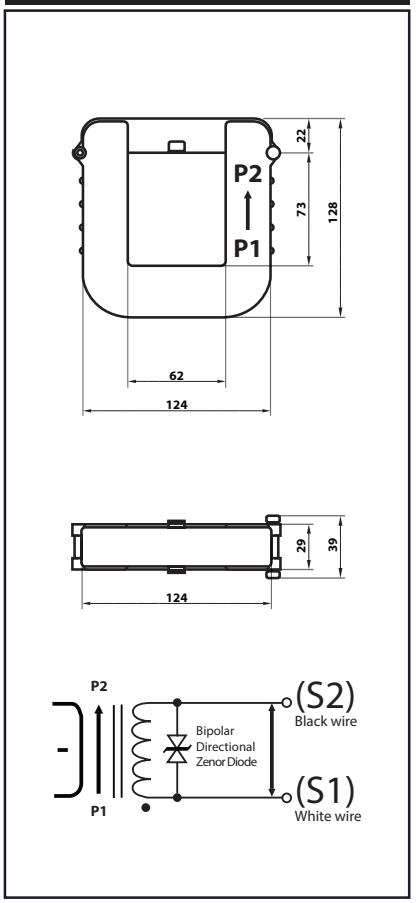
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
400		0.05		0400
600		0.05		0600
800		0.05		0800
1000		0.05		1000
1200		0.05		1200

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-03-0000/100mA

Model JSC-03

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

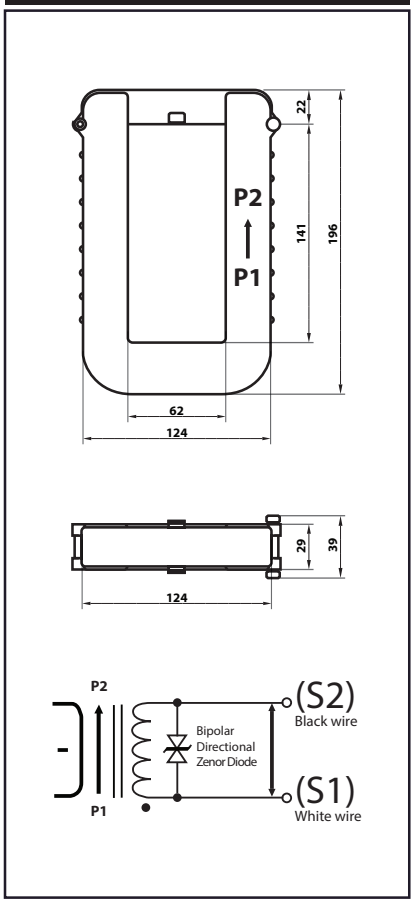
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
800		0.05		0800
1000		0.05		1000
1200		0.05		1200
1600		0.05		1600
2000		0.05		2000
2400		0.05		2400

100mA Secondary

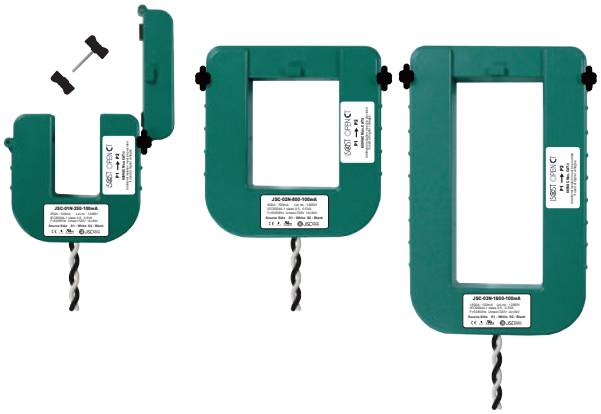
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

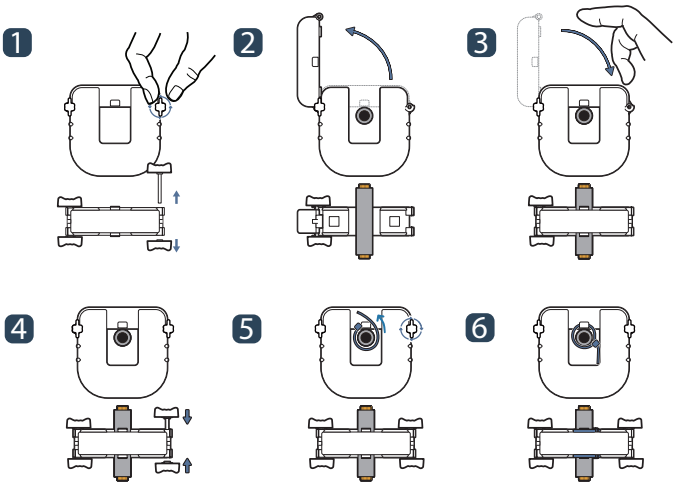


REVENUE-GRADE
SPLIT-CORE CURRENT TRANSFORMER

JSC-XXN-XXXX-100mA series



HOW TO USE



JSC series of split-core current transformer offers 100mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JSC series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS
- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES
- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS
- Faster installation
- Cost effective
- Long product life

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S
Leads	18AWG, 600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-90% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	3.0V0-P
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01N-0000/100mA

M JSC-01N

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

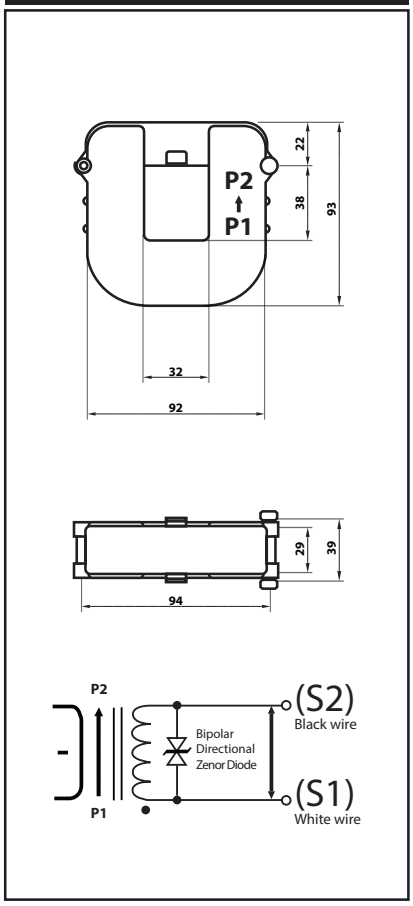
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
250		0.05		0250
400		0.05		0400

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-02N-0000/100mA

M JSC-02N

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

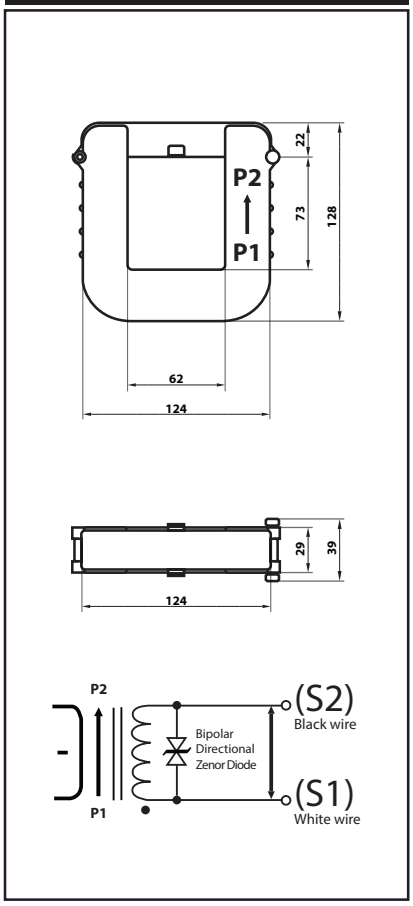
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
400		0.05		0400
600		0.05		0600
800		0.05		0800
1000		0.05		1000
1200		0.05		1200

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JSC-03N-0000/100mA

M JSC-03N

Primary Current

Select code from ratio table

Secondary Current

100mA 100mA

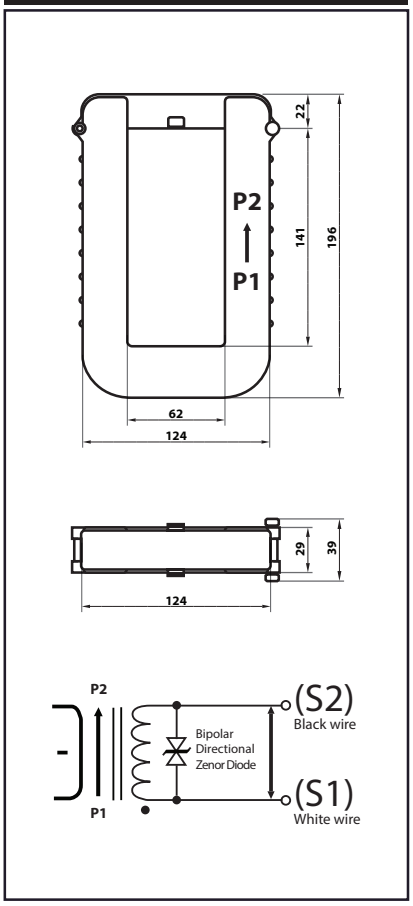
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Code
800		0.05		0800
1000		0.05		1000
1200		0.05		1200
1600		0.05		1600
2000		0.05		2000
2400		0.05		2400

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

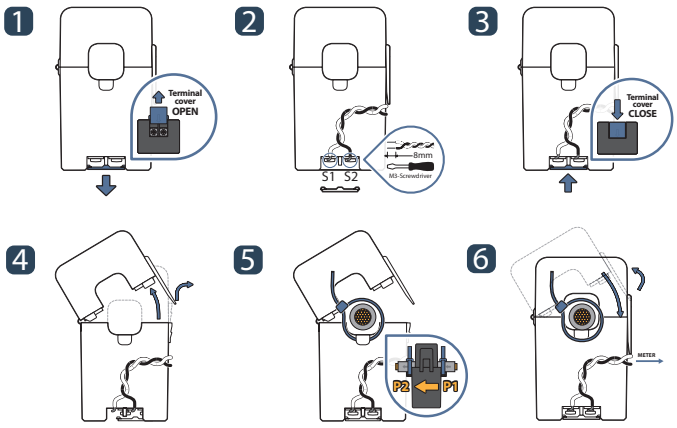


SPLIT-CORE CURRENT TRANSFORMER

JCXXS-XXX-1A series

E344623

HOW TO USE



JC series of split-core current transformer offers 1A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JC24S-000/0A

Model	JC24S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

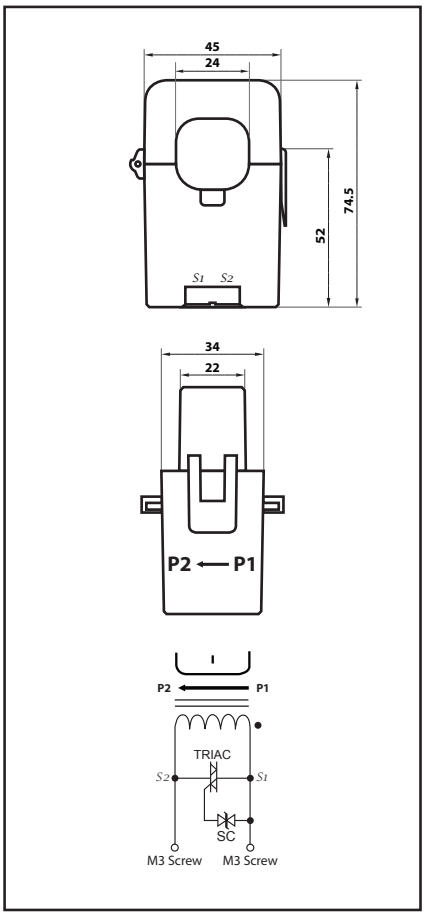
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
100			1.0	100
250		1.0		250

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JC36S-000/0A

Model	JC36S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

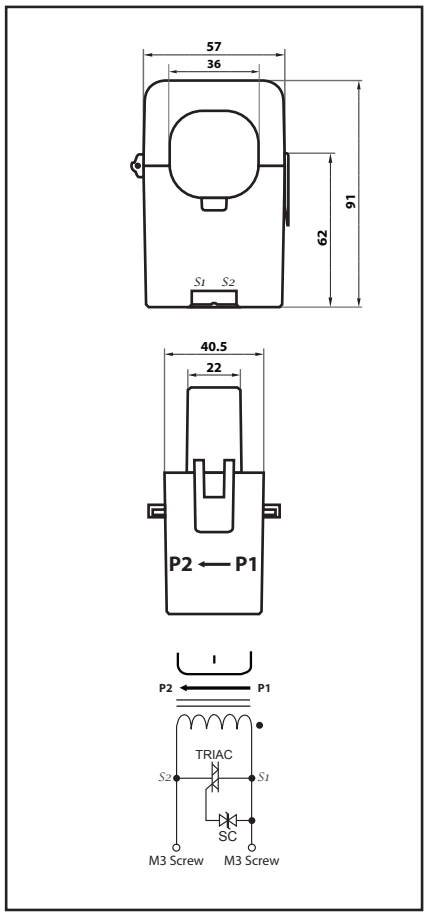
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
400	0.5			400
500	0.5			500
600	0.5			600

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

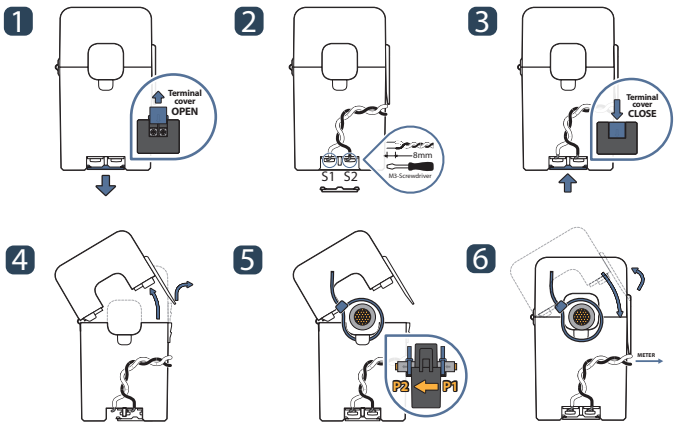
Dimensions



SPLIT-CORE CURRENT TRANSFORMER

JSXXS-XXX-1A series

HOW TO USE



JS series of split-core current transformer offers 1A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS17S-000/0A

Model	JS17S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

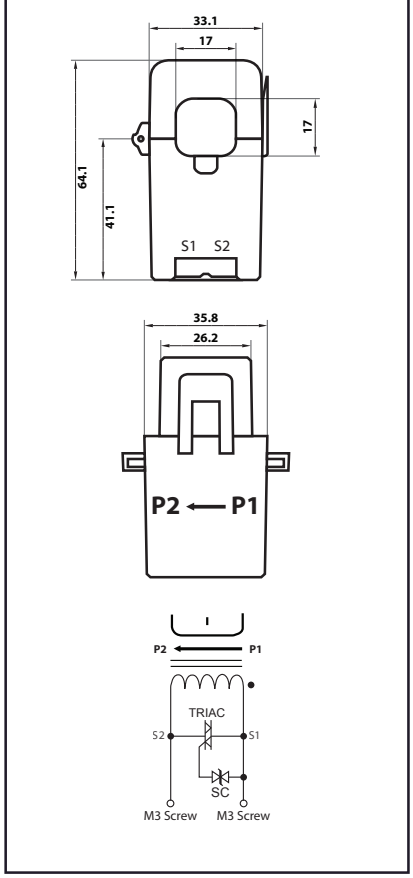
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Metering Burden(VA) cl. 3 / cl. 2.4	Code
60			0.2	060
75			0.5	075
100			0.5	100
125			1.0	125
150			1.0	150
200			1.0	200

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS24S-000/0A

Model	JS24S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

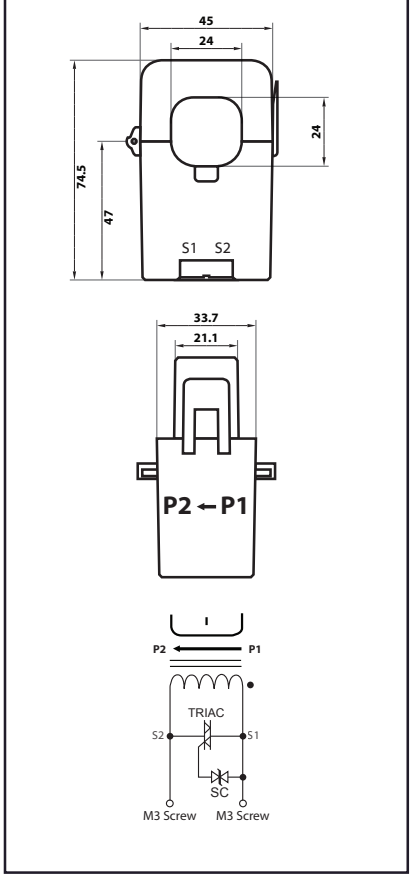
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Metering Burden(VA) cl. 3 / cl. 2.4	Code
100			1.0	100
125			1.0	125
150			1.0	150
200		0.5		200
250		1.0		250
300		1.5		300

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS36S-000/0A

Model	JS36S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

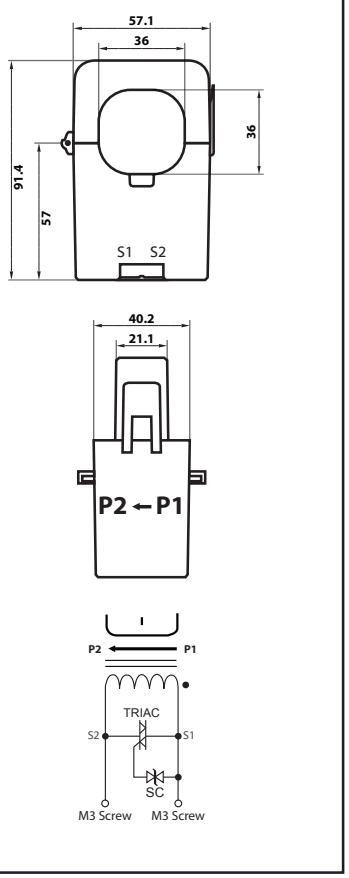
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Metering Burden(VA) cl. 3 / cl. 2.4	Code
300		1.5		300
400	0.5			400
500	0.5			500
600	0.5			600

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

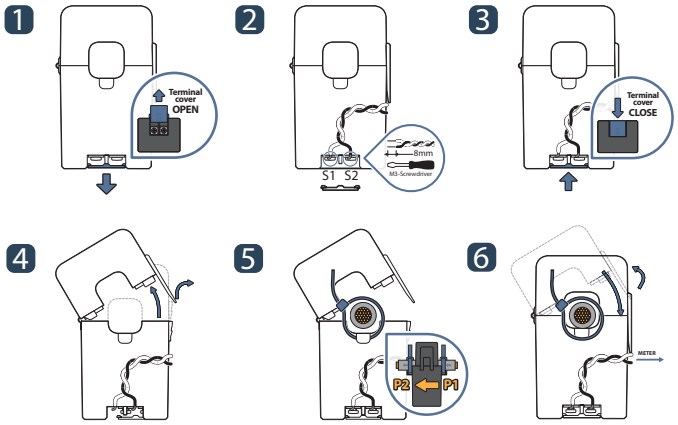


SPLIT-CORE CURRENT TRANSFORMER

JS18S-XXX-1A series

E344623

HOW TO USE



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APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

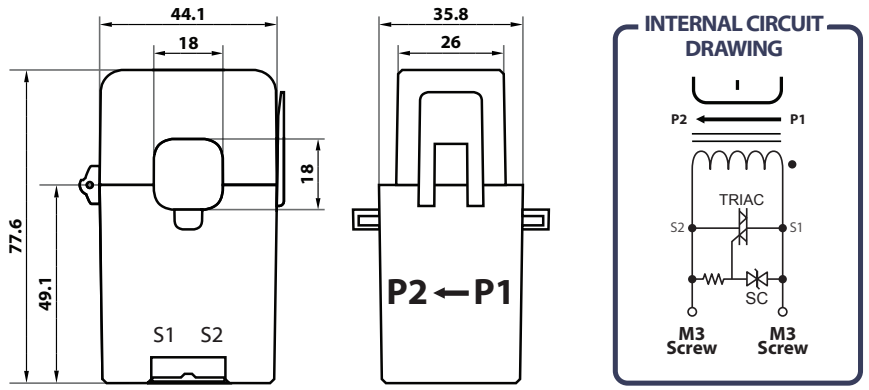
NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0 / 3.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Latch/Unlatch	about 100 times
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS



(unit : mm)

How to Order / Model Reference

eg JS18S-000/0A

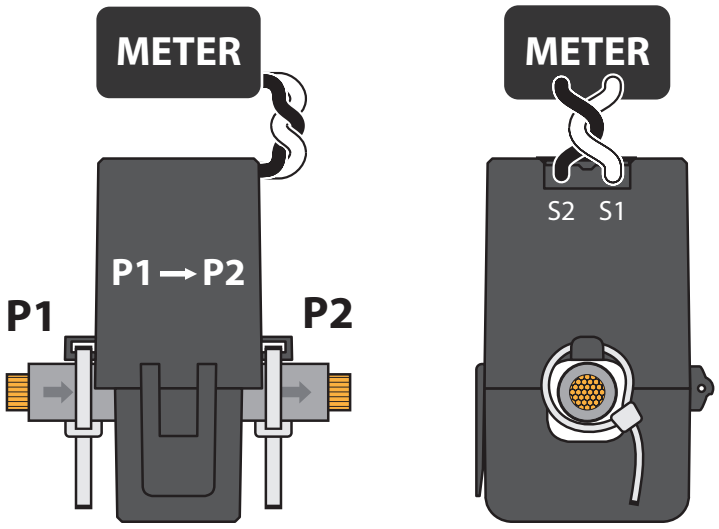
Model	JS18S
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Metering Burden(VA) cl. 3 / cl. 2.4	Code
50			0.2	050
60			0.2	060
75			0.2	075
100		0.2		100
125		0.2		125
150		0.2		150
200		0.2		200
				1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

>>>> Installation



>>>> The Sample of customized product

JS18S + Optional Leadwire

- Standard length of lead wire is 2M, but the length may be altered according to the customer's needs.
- The lead wire connections are protected by a terminal cover which is secured with a sticker label.

Precautions for the Warranty of Quality

- Split-core CT must be handled with care. A damage caused from the careless handling will not be covered by warranty.
- The product is designed to meet operating environments defined by the industrial standard IP20.
- Be careful to install the product with the correct polarity.
- Do not install the product if an application exceed the specifications of the product.
- Recommended to use the terminals specified by J&D.

Check Point for the Accurate Measurement

- Protection circuit built in inside of the product for user safety. An additional external protection circuit would be impacted on the feature.
- The product is designed for measuring sinusoidal 50/60Hz of primary current. Be aware that it is possible to occur the significant error if it is used to measure non-sinusoidal.
- Use Split-core CT with proper diameter to fit the conductor, otherwise it may cause the ratio error and the phase shift.
- Be careful to install Split-core CT without any pollutions on the core surfaces. The pollutions such as moisture, dust and rusty can be caused the error. After removing the pollutions, recommended to use WD-40 or CRC5-56 on the core surfaces.
- Check whether the secondary leads is connected correctly or not. If the connection is not correctly, the secondary output could be lower than the expected one.

Remarks for the Customized Products

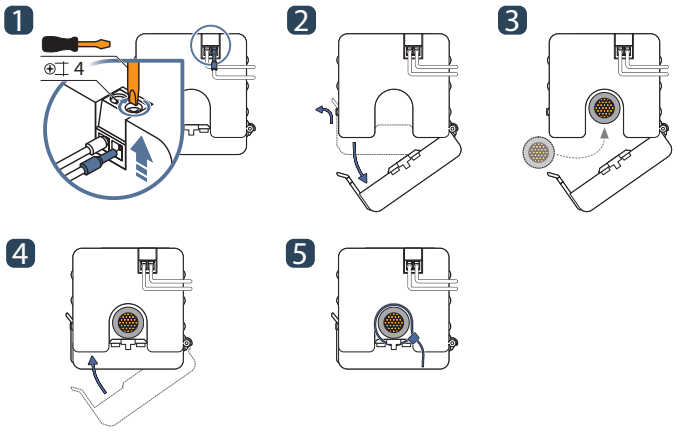
- Please provide the technical requirements for a technical evaluation.
- The color of housing is changeable upon the customer's requirements.
- The leads can be mounted on the terminals by J&D.
- A protective tailor-made housing is available.

SPLIT-CORE CURRENT TRANSFORMER

JM21N-XXX-1A series

E344623

HOW TO USE



JM21N series of split-core current transformer offers 1A at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect JM21N series to a meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact design meter and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- Steel spring plate, output-terminal, secure locking hinge, one-touch structure easily to install to existing equipment such as a power distribution board
- 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.

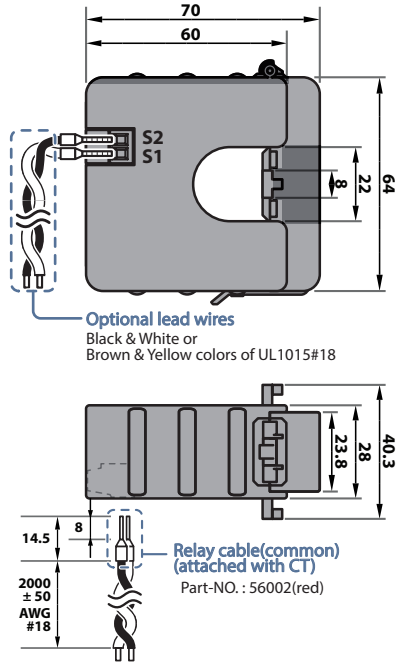
NOTICE

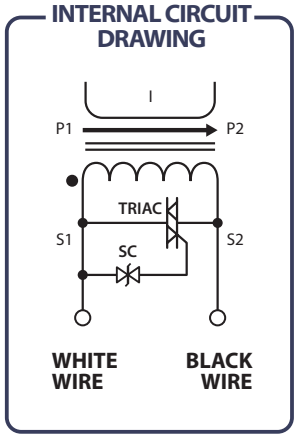
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	IEC Class 0.5S / ANSI Class 0.6
Output Terminals	Terminal Block(2P) - PART NUMBER : LM5.08/02/90 SW(black)
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2, IEEE/ANSI C57.13 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Latch/Unlatch	about 100 times
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS





How to Order / Model Reference

eg JM21N-000/0A

Model	JM21N
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

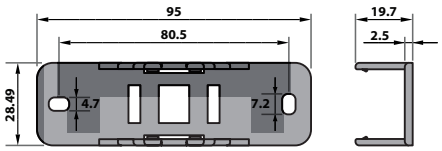
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	Metering Burden(VA) cl. 1 / cl. 1.2	Metering Burden(VA) cl. 3 / cl. 2.4	Code
100		0.2		100
125		0.2		125
150		0.2		150
200	0.2			200
250	0.2			250

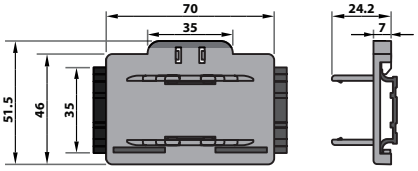
1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

• **PANEL MOUNT**

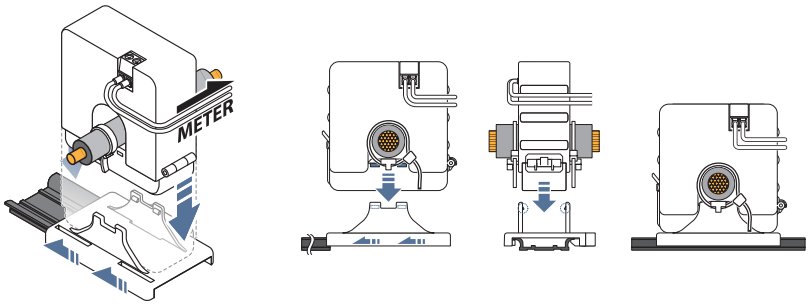


• **DIN RAIL MOUNT**



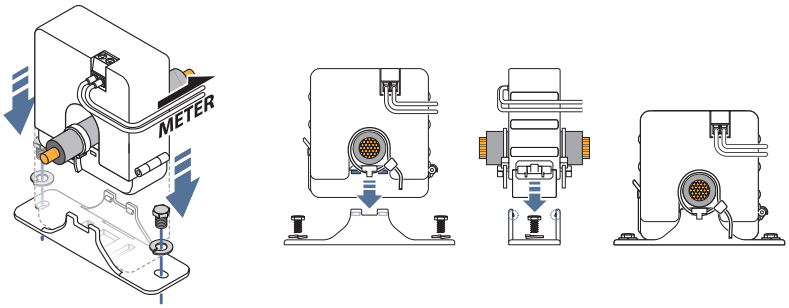
DIN RAIL MOUNTING

Mount the bracket on the rail and install current transformer



PANEL MOUNTING

Tighten screws on the hole to mount bracket and install current transformer



Precautions for the Warranty of Quality

- Split-core CT must be handled with care. A damage caused from the careless handling will not be covered by warranty.
- The product is designed to meet operating environments defined by the industrial standard IP20.
- Be careful to install the product with the correct polarity.
- Do not install the product if an application exceed the specifications of the product.
- Recommended to use the terminals specified by J&D.

Check Point for the Accurate Measurement

- Protection circuit built in inside of the product for user safety. An additional external protection circuit would be impacted on the feature.
- The product is designed for measuring sinusoidal 50/60Hz of primary current. Be aware that it is possible to occur the significant error if it is used to measure non-sinusoidal.
- Use Split-core CT with proper diameter to fit the conductor, otherwise it may cause the ratio error and the phase shift.
- Be careful to install Split-core CT without any pollutions on the core surfaces. The pollutions such as moisture, dust and rusty can be caused the error. After removing the pollutions, recommended to use WD-40 or CRC5-56 on the core surfaces.
- Check whether the secondary leads is connected correctly or not. If the connection is not correctly, the secondary output could be lower than the expected one.

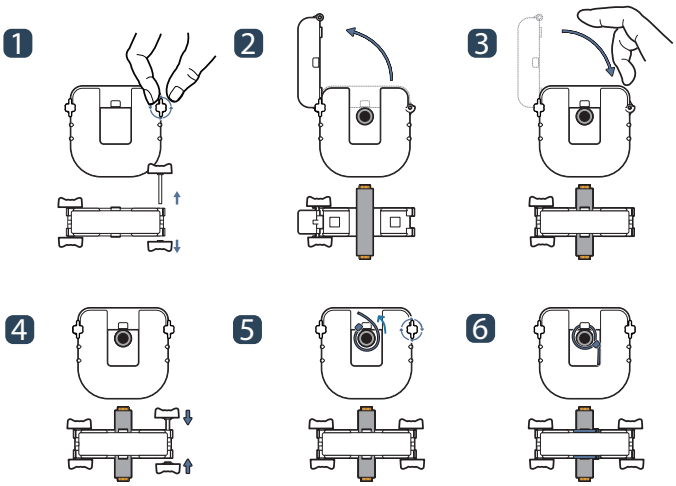
Remarks for the Customized Products

- Please provide the technical requirements for a technical evaluation.
- The color of housing is changeable upon the customer's requirements.
- The leads can be mounted on the terminals by J&D.
- A protective tailor-made housing is available.

SPLIT-CORE CURRENT TRANSFORMER

JSC-XX-XXXX-1A series

HOW TO USE



JSC series of split-core current transformer offers 1A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS

- Faster installation
- Cost effective
- Long product life

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Leads	18AWG, 600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-90% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01-0000/1A

Model JSC-01

Primary Current

Select code from ratio table

Secondary Current

1A 1A

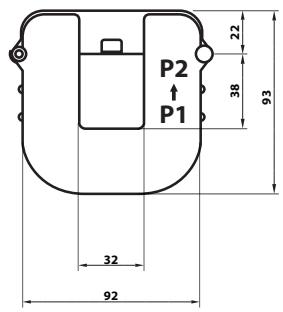
Current Transformer Ratios

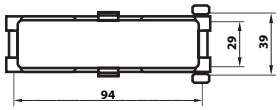
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
100			0.5	0100
150			1.5	0150
200		0.5		0200
250		0.5		0250
300		0.5		0300
400	0.5			0400

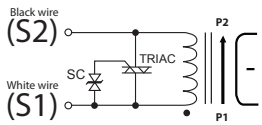
1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JSC-02-0000/1A

Model JSC-02

Primary Current

Select code from ratio table

Secondary Current

1A 1A

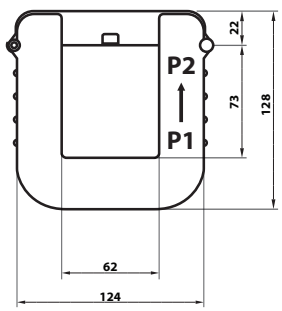
Current Transformer Ratios

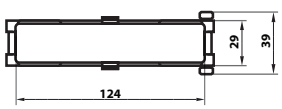
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
400		1.0		0400
500		2.5		0500
600	1.0	5.0		0600
750	1.0	5.0		0750
800	1.0	5.0		0800
1000	2.5	10.0		1000

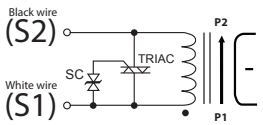
1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JSC-03-0000/1A

Model JSC-03

Primary Current

Select code from ratio table

Secondary Current

1A 1A

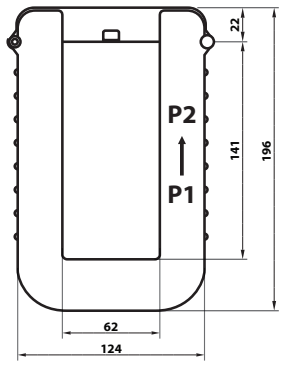
Current Transformer Ratios

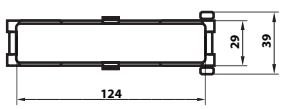
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
800	1.0	5.0		0800
1000	1.0	5.0		1000
1200	5.0	10.0		1200
1250	5.0	10.0		1250
1500	10.0	20.0		1500
1600	10.0	20.0		1600
2000	10.0	20.0		2000
2400	10.0	20.0		2400

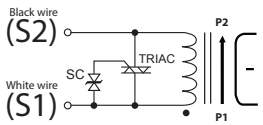
1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions





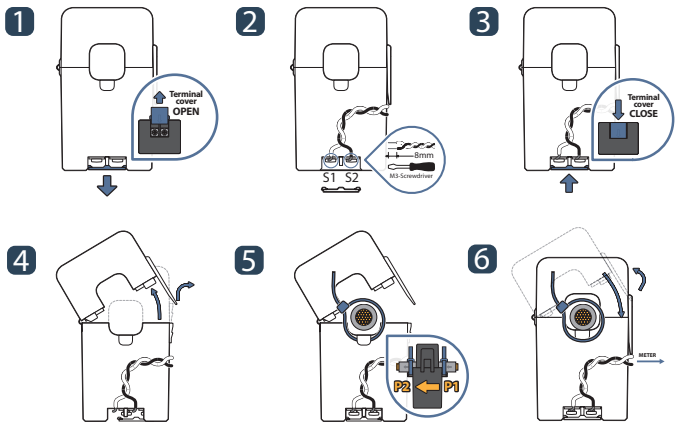


SPLIT-CORE CURRENT TRANSFORMER

JSXXS-XXX-5A series

E344623

HOW TO USE



JS series of split-core current transformer offers 5A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS

How to Order / Model Reference

eg JS17S-000/0A

Model	JS17S
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

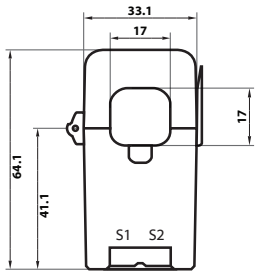
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
150			0.2	150

5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS24S-000/0A

Model	JS24S
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

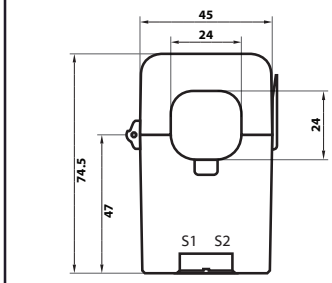
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
100			1.5	100
150			1.5	150
200		0.5		200
250		0.5		250
300		0.5		300
400		0.5		400

5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS36S-000/0A

Model	JS36S
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

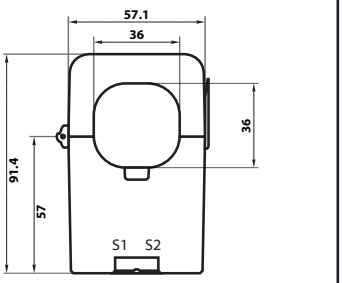
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
200			2.5	200
250		0.5		250
300		0.5		300
400	0.5	2.5		400
500	0.5	2.5		500
600	0.5	5.0		600

5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

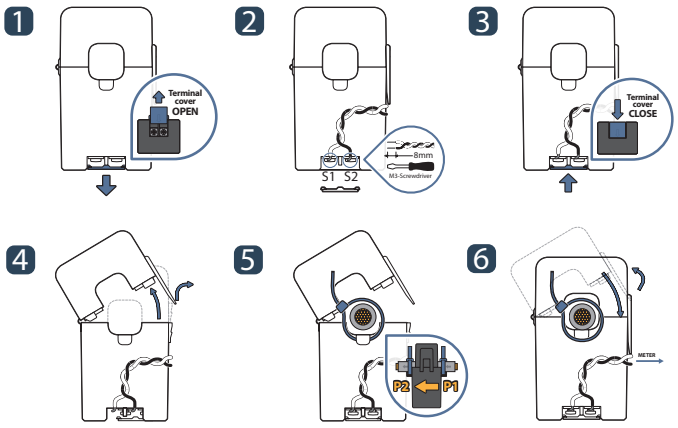


SPLIT-CORE CURRENT TRANSFORMER

JSXXS-XXX-5A series

E344623

HOW TO USE



JS series of split-core current transformer offers 5A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- PC 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

BENEFITS

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

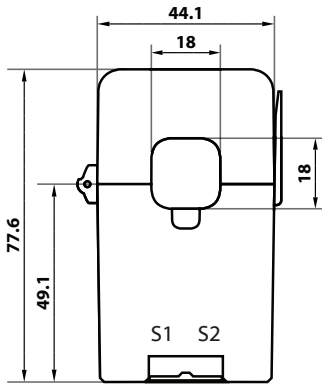
NOTICE

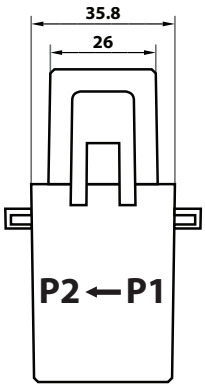
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

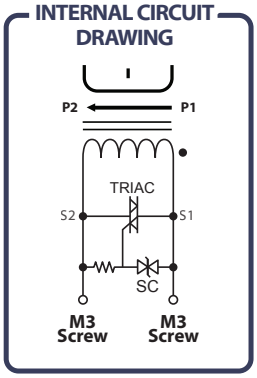
SPECIFICATION

Accuracy	Class 1.0 / 3.0
Output Terminals	2 X M3-Screw, with Terminals cover
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Latch/Unlatch	about 100 times
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS







(unit : mm)

How to Order / Model Reference

eg JS18S-000/0A

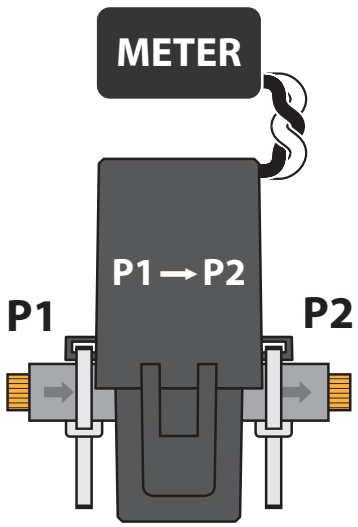
Model	JS18S
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

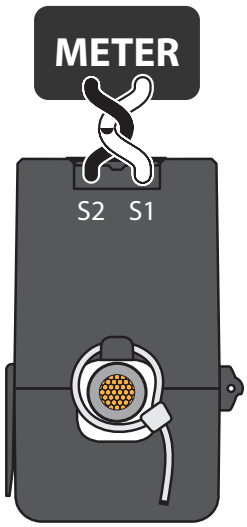
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	
50			1.0	50
75			1.0	75
100			1.0	100
150		1.0		125
200		1.0		150
250		1.0		200
				5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

>>>> Installation





>>>> The Sample of customized product

JS18S + Optional Leadwire

- Standard length of lead wire is 2M, but the length may be altered according to the customer's needs.
- The lead wire connections are protected by a terminal cover which is secured with a sticker label.

Precautions for the Warranty of Quality

- Split-core CT must be handled with care. A damage caused from the careless handling will not be covered by warranty.
- The product is designed to meet operating environments defined by the industrial standard IP20.
- Be careful to install the product with the correct polarity.
- Do not install the product if an application exceed the specifications of the product.
- Recommended to use the terminals specified by J&D.

Check Point for the Accurate Measurement

- Protection circuit built in inside of the product for user safety. An additional external protection circuit would be impacted on the feature.
- The product is designed for measuring sinusoidal 50/60Hz of primary current. Be aware that it is possible to occur the significant error if it is used to measure non-sinusoidal.
- Use Split-core CT with proper diameter to fit the conductor, otherwise it may cause the ratio error and the phase shift.
- Be careful to install Split-core CT without any pollutions on the core surfaces. The pollutions such as moisture, dust and rusty can be caused the error. After removing the pollutions, recommended to use WD-40 or CRC5-56 on the core surfaces.
- Check whether the secondary leads is connected correctly or not. If the connection is not correctly, the secondary output could be lower than the expected one.

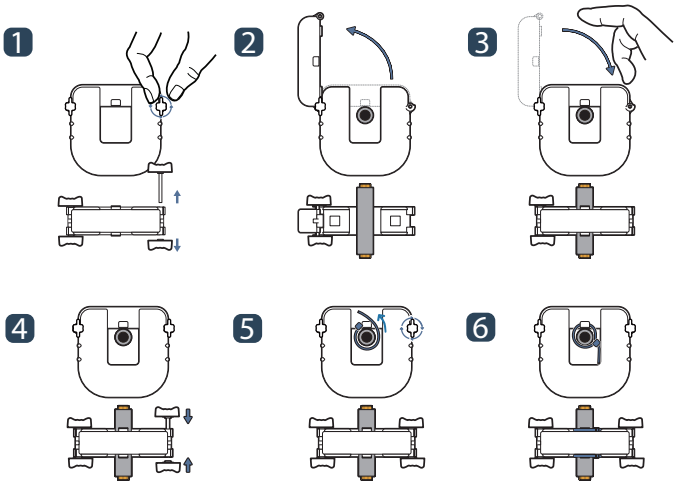
Remarks for the Customized Products

- Please provide the technical requirements for a technical evaluation.
- The color of housing is changeable upon the customer's requirements.
- The leads can be mounted on the terminals by J&D.
- A protective tailor-made housing is available.

SPLIT-CORE CURRENT TRANSFORMER

JSC-XX-XXXX-5A series

HOW TO USE



JSC series of split-core current transformer offers 5A at secondary from sensed primary current for metering application. It can be used for power meter, distribution system, control panels, switchgear and other equipment. It is designed to install to live power line without disconnection as split-core compact type. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.

APPLICATIONS

- Power meter
- Switchgear
- Distributed measurement systems
- General Sets
- Control panels

FEATURES

- High quality comprehensive measurement
- Available in a wide range of transformer ratings
- Accuracy up to Class 0.5S

BENEFITS

- Faster installation
- Cost effective
- Long product life

NOTICE

- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Leads	18AWG,600VAC
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 60˚C
Relative Humidity	0-90% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CAT Ⅱ or CAT Ⅲ 600VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JSC-01-0000/5A

Model JSC-01

Primary Current

Select code from ratio table

Secondary Current

5A 5A

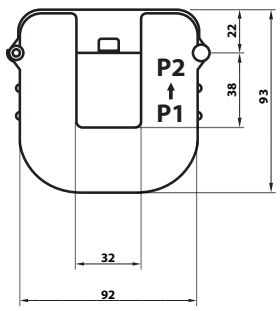
Current Transformer Ratios

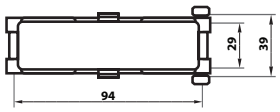
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
100			0.5	0100
150			1.5	0150
200			1.5	0200
250		0.5		0250
300		0.5		0300
400				0400

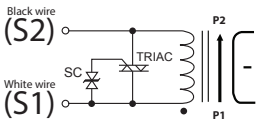
5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JSC-02-0000/5A

Model JSC-02

Primary Current

Select code from ratio table

Secondary Current

5A 5A

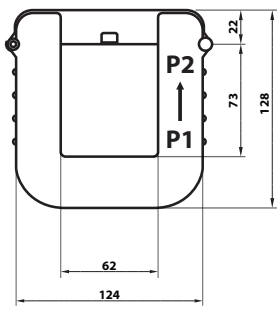
Current Transformer Ratios

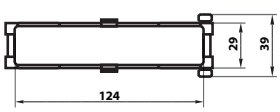
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
400		1.0		0400
500		2.5		0500
600	1.0	5.0		0600
750	1.0	5.0		0750
800	1.0	5.0		0800
1000	2.5	10.0		1000

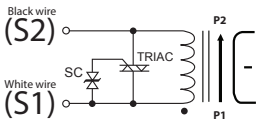
5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions







How to Order / Model Reference

eg JSC-03-0000/5A

Model JSC-03

Primary Current

Select code from ratio table

Secondary Current

5A 5A

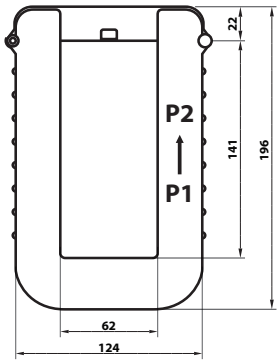
Current Transformer Ratios

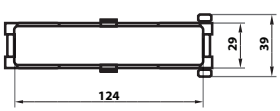
Primary Current (A)	Metering Burden(VA) cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	cl. 3 / cl. 2.4	Code
800	1.0	5.0		0800
1000	1.0	5.0		1000
1200	5.0	10.0		1200
1250	5.0	10.0		1250
1500	10.0	20.0		1500
1600	10.0	20.0		1600
2000	10.0	20.0		2000
2400	10.0	20.0		2400

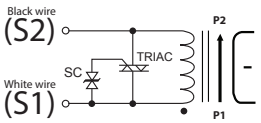
5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13 meets the measuring range from 1 to 120 % of In

Dimensions

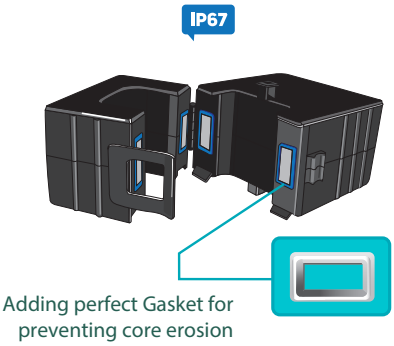






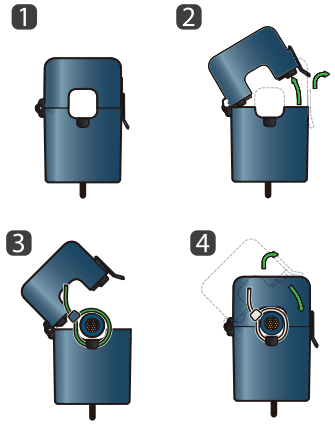
PRECISION OUTDOOR USE
SPLIT-CORE CURRENT TRANSFORMER
JSXXL-XXX-100mA series

E344623



Adding perfect Gasket for preventing core erosion

HOW TO USE



The JSXXL series Water proof Split Core Current Transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.
These current transformers are a water proof design suitable for use outdoor or in direct burial applications.

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

FEATURES
- The mating surfaces of the transformer cores are protected by a rubber gasket.
- The transformer cases are UV stabilized thermoplastic.
- Water proof (IP67 or IP65 Option)

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 1.0
Output Terminals	Twisted pair, 18AWG cable
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CATⅣ 300VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS21L-000/100mA

Model	JS21L
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

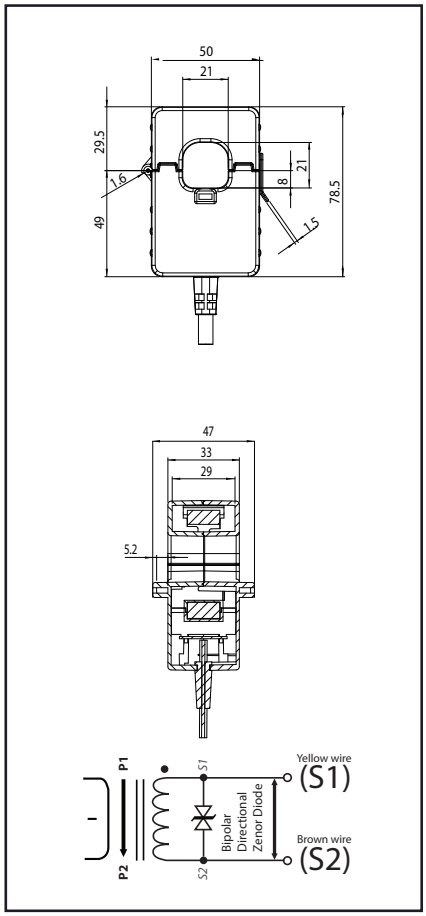
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
100			0.05	100
125			0.05	125
150			0.05	150
200			0.05	200
250			0.05	250
300			0.05	300

100mA Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS32L-000/100mA

Model	JS32L
Primary Current	
Select code from ratio table	
Secondary Current	
100mA	100mA

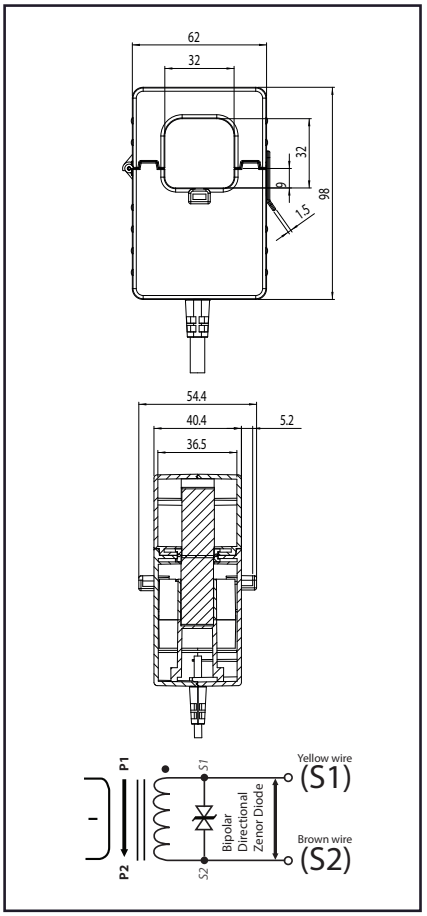
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA) cl. 0.2S / cl. 0.3	cl. 0.5S / cl. 0.6	cl. 1 / cl. 1.2	Code
300			0.05	300
400			0.05	400
500			0.05	500
600			0.05	600

100mA Secondary

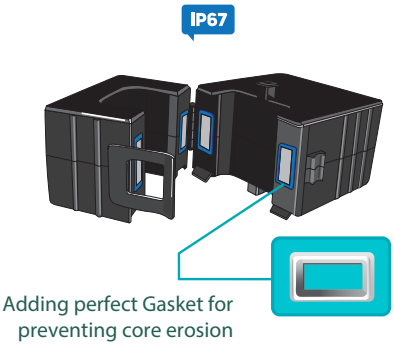
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



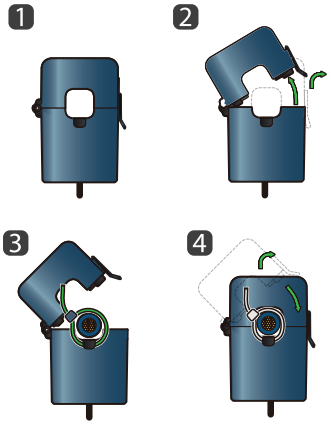
PRECISION OUTDOOR USE
SPLIT-CORE CURRENT TRANSFORMER
JSXXL-XXX-1A series

E344623



Adding perfect Gasket for preventing core erosion

HOW TO USE



The JSXXL series Water proof Split Core Current Transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.
These current transformers are a water proof design suitable for use outdoor or in direct burial applications.

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

FEATURES
- The mating surfaces of the transformer cores are protected by a rubber gasket.
- The transformer cases are UV stabilized thermoplastic.
- Water proof (IP67 or IP65 Option)

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Output Terminals	Twisted pair, 18AWG cable
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CATⅣ 300VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS21L-000/0A

Model	JS21L
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

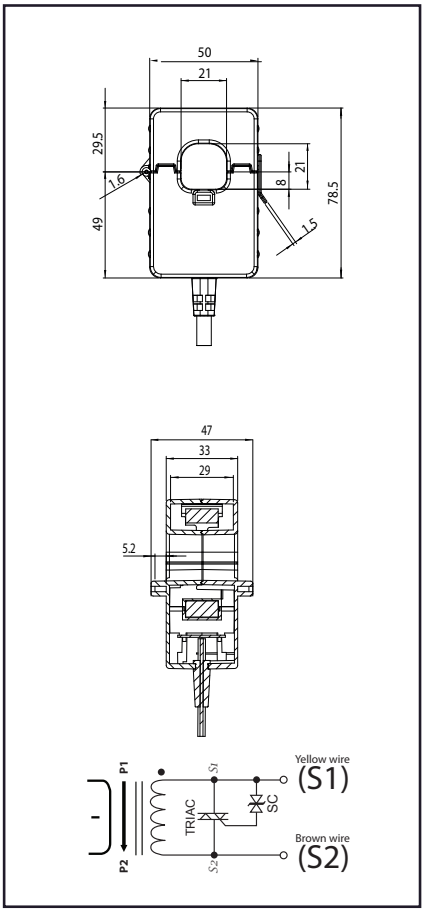
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
100			1.0	100
125			1.0	125
150			1.0	150
200			1.0	200
250		1.0		250
300		1.5		300

1A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS32L-000/0A

Model	JS32L
Primary Current	
Select code from ratio table	
Secondary Current	
1A	1A

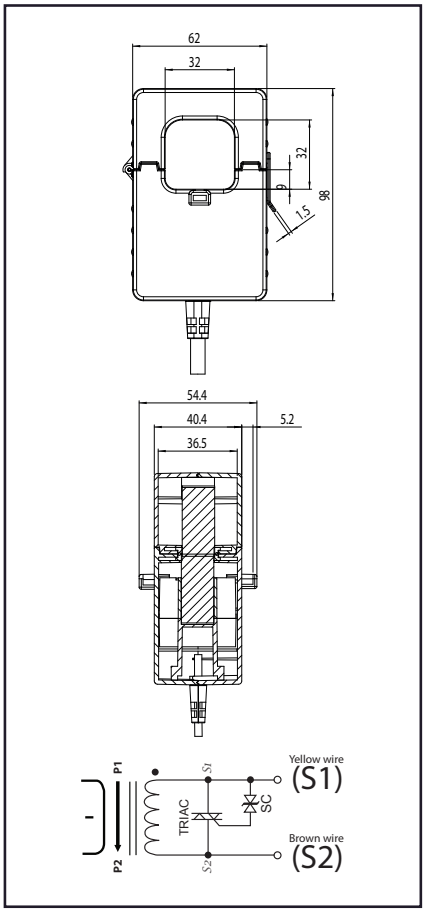
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
300		1.5		300
400	0.5			400
500	0.5			500
600	0.5			600

1A Secondary

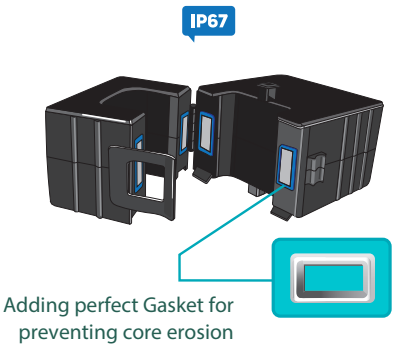
Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



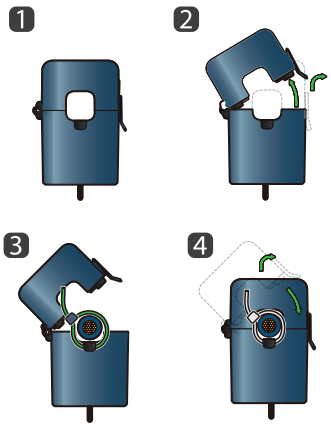
PRECISION OUTDOOR USE
SPLIT-CORE CURRENT TRANSFORMER
JSXXL-XXX-5A series

E344623



Adding perfect Gasket for preventing core erosion

HOW TO USE



The JSXXL series Water proof Split Core Current Transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.
These current transformers are a water proof design suitable for use outdoor or in direct burial applications.

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

FEATURES
- The mating surfaces of the transformer cores are protected by a rubber gasket.
- The transformer cases are UV stabilized thermoplastic.
- Water proof (IP67 or IP65 Option)

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

NOTICE
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts
- Customizing output lead wire

SPECIFICATION

Accuracy	Class 0.5S / 1.0 / 3.0
Output Terminals	Twisted pair, 18AWG cable
System Voltage	720V(0.72kV)
Overload withstand	1.2 times rated current continuously
Compliant with	IEC/EN61869-2 & IEC61010-1
Operating Temperature Range	-20˚C to 55˚C
Relative Humidity	0-85% non-condensing
Test Voltage	3kV for 1minute
Frequency Range	50/60Hz
Protection Level	Bipolar 6.5Vp
Insulation Category	CATⅣ 300VAC

CURRENT TRANSFORMER RATIOS / DIMENSIONS

How to Order / Model Reference

eg JS21L-000/0A

Model	JS21L
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

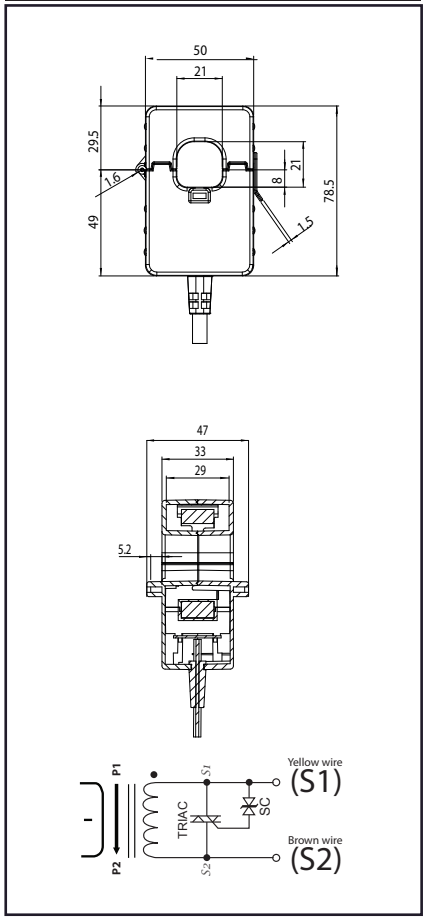
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
100			1.5	100
150			1.5	150
200			1.5	200
250		0.5		250
300		0.5		300
400		0.5		400

5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



How to Order / Model Reference

eg JS32L-000/0A

Model	JS32L
Primary Current	
Select code from ratio table	
Secondary Current	
5A	5A

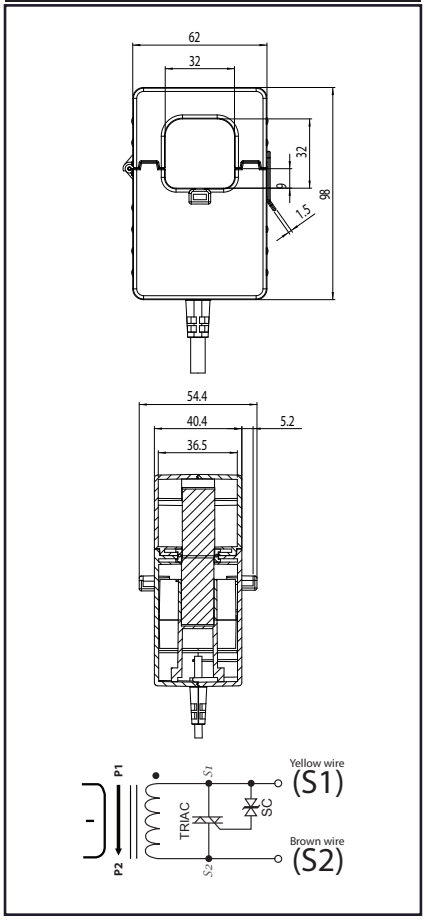
Current Transformer Ratios

Primary Current (A)	Metering Burden(VA)			Code
	cl. 0.5S	cl. 1	cl. 3	
	cl. 0.6	cl. 1.2	cl. 2.4	
200			2.5	200
250		0.5		250
300		0.5		300
400	0.5	2.5		400
500	0.5	2.5		500
600	0.5	5.0		600

5A Secondary

Accuracy conforms to IEC61869-2 & IEEE/ANSI C57.13
meets the measuring range from 1 to 120 % of In

Dimensions



PRECISE SPLIT-CORE AC CURRENT TRANSDUCER

Miniature Split-core AC Current Transformer is suitable for primary ranges from 5A to 2,400A AC with 4-20mA, 0-5V, 0-10V DC secondary.
It improves both intrinsic errors in low current and errors occurred by external vibration and shock with strong durability and minimum tolerance on cutting cross section of core. Main applications are sub metering, power meter, PLC (Programmable Logic Controller), energy automation and etc.

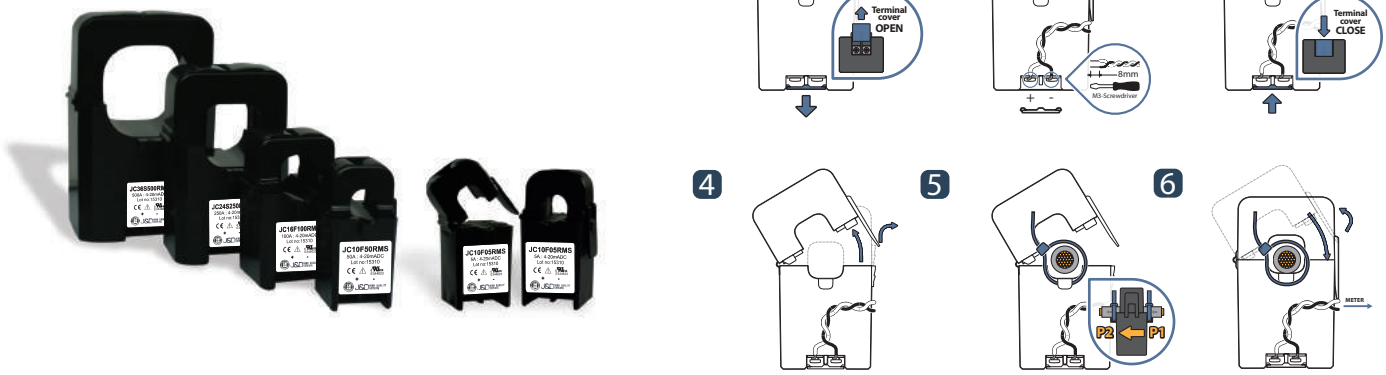
CONTENTS

PRECISION
SPLIT-CORE CURRENT TRANSDUCER

PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JCXXX-XXX-RMS series

E344623

HOW TO USE



The Split-core Current Transducer, RMS Series, is designed for energy management, with a convenient connection to electronic submeter. It may also be applied for current measurement in a system of distributed power line carriers (PLCs) or remote controls such as SCADA software for automation and supervision. Other applications include security and condition monitoring, load monitoring, in protection systems, and for predictive maintenance of conveyers, pumps or HVAC motors.

APPLICATIONS

- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

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.(Ø16 type)
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side(Ø24, Ø36 type).
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

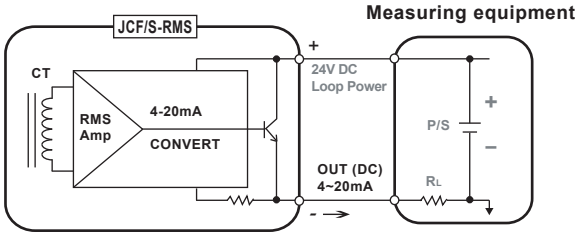
SPECIFICATION

(F=50/60Hz)

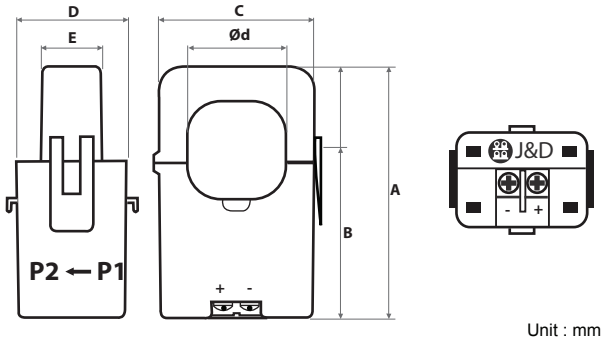
Model	JCXXFXXX-RMS	JCXXSXXX-RMS	
	Ø16	Ø24	Ø36
Amperage Range	0-5, 10, 20, 25, 50, 100	250	500
Max. Allowable Current	120%(Continuous), 150%(1mim.)		
Output	4~20mA DC (RMS)/0~Rated Current (Load resistance : ≤ 600Ω at P/S : 24V)		
Accuracy / Linearity	±2% FS. Dynamic Range 1:100 at 50/60Hz Sinewave		
Sensor Supply Voltage	24V DC Loop Power (20-30 V DC(25mA Max.)		
Installation Category	100ms		
Output Ripple Voltage	Within 2% of Output Voltage		
Output Terminals	2 x M3-Screw, with Terminals cover		
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		

INTERNAL CIRCUIT DRAWINGS / DIMENSIONS

JC RMS



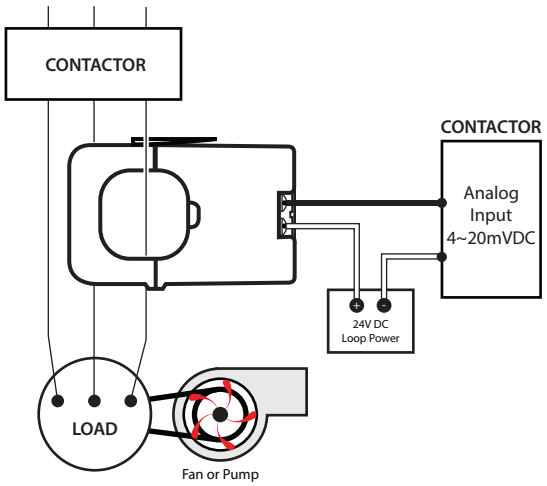
2-Wire Transmission method(Loop powered) using P/S(+ side) of Measuring equipment



Unit : mm

Model	A	B	C	D	E	Ød
JC16F	55	41	29.5	31	19	16
JC24S	74.5	52	45	34	22	24
JC36S	91	62	57	40.5	22	36

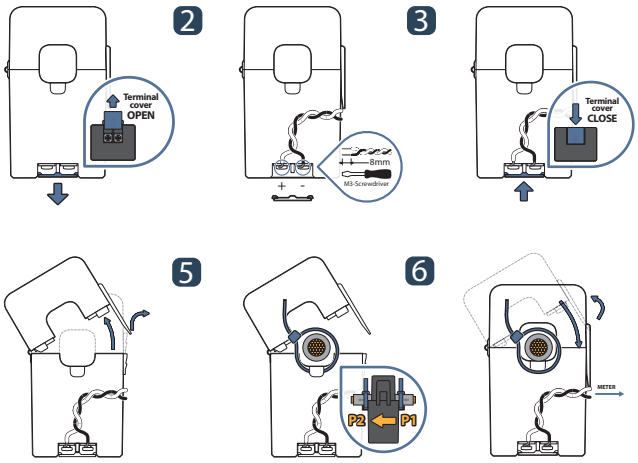
APPLICATIONS



PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JSXXX-XXX-RMS series

E344623

HOW TO USE



Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 4-20mA DC output proportional to the RMS value of the primary current.

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans / Lighting

BENEFITS

- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

FEATURES

- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage : 3kV RMS / 50Hz / 1min
- Sensing aperture : 21mm(for non-contact measurement)
- UL94-V0 recognized materials

NOTICE

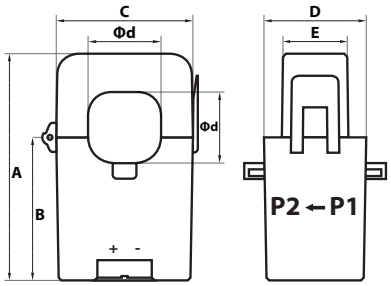
- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 500A RMS
- Choice of standard output types: 4-20mA
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

SPECIFICATION

Rated Current (A)
5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500

Model	Output
JSXXX-XXX-RMS	4-20mA DC
Electrical Data	4~20mA DC (RMS)/0~Rated Current (Load resistance : ≤ 600Ω at P/S : 24V)

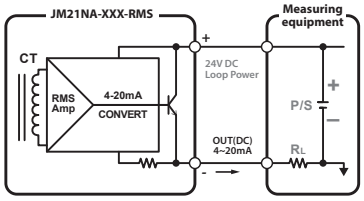
DIMENSIONS



	JS17F/S	JS24F/S	JS36S
A	64.1	74.5	91.4
B	41.1	47	57
C	33.1	45	57.1
D	35.8	33.7	40.2
E	26.2	21.1	21.1
Ød	17	24	36

INTERNAL CIRCUIT DRAWING

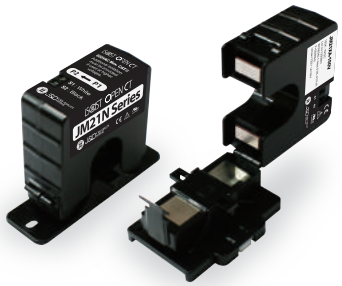
- **JSXXX-XXX-RMS**



2-Wire Transmission method(Loop powered) using P/S(+ side) of Measuring equipment

PRECISION SPLIT-CORE CURRENT TRANSDUCER

JM21XA-XXX-XXX Series



Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 0-5V DC, 0-10V DC, 4-20mA DC output proportional to the RMS value of the primary current.

MAIN CHARACTERISTICS

- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 250A RMS
- Choice of standard output types: 4-20mA, 0-5V or 0-10V
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES

- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage : 3.5kV RMS / 50Hz / 1min
- Sensing aperture : 21mm(for non-contact measure-ment)
- UL94-V0 recognized materials

ADVANTAGES

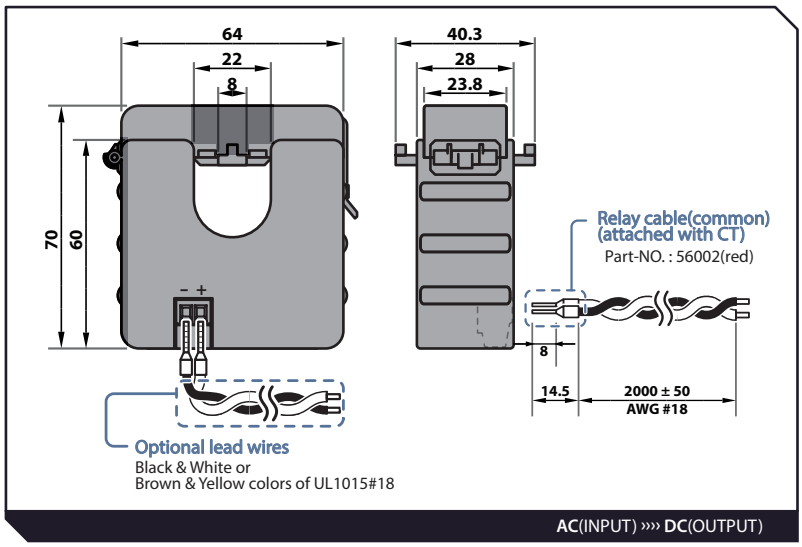
- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

SPECIFICATION

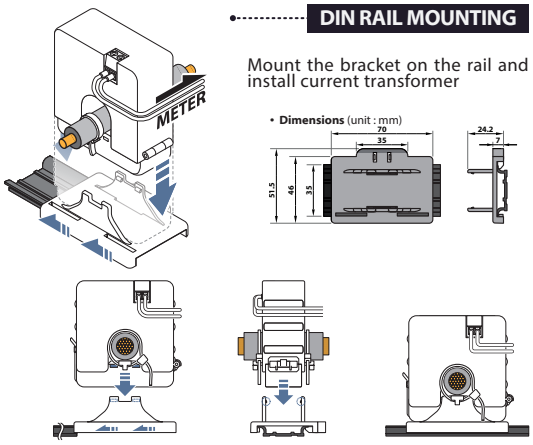
Rated Current (A)	5, 10, 20, 25, 50, 75, 100, 150, 200, 250

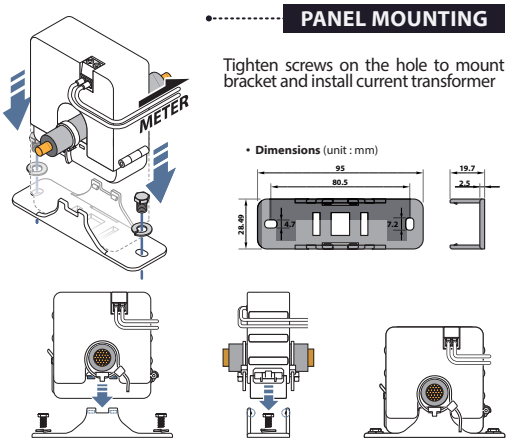
Model	Output	Electrical Data
JM21XA-XXX-V	0-5V DC	Output Impendance 5.8kΩ(Self Power) & Average output
JM21XA-XXX-VH	0-10V DC	Output Impendance 23kΩ(Self Power) & Average output
JM21XA-XXX-RMS	4-20mA DC	4~20mA DC (RMS)/0~Rated Current (Load resistance : ≤ 600Ω at P/S : 24V)

DIMENSIONS (UNIT : MM)



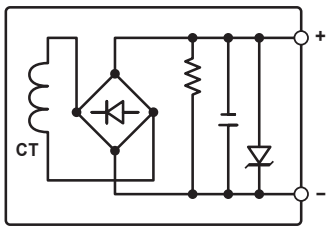
ACCESSORY OPTION



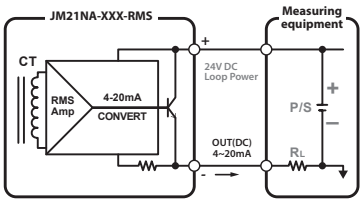


INTERNAL CIRCUIT DRAWING

- **JM21XA-XXX-V/VH**



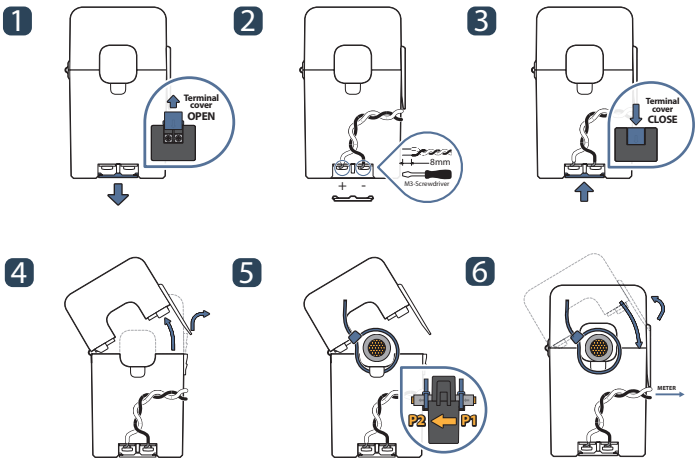
- **JM21XA-XXX-RMS**



2-Wire Transmission method(Loop powered) using P/S(+ side) of Measuring equipment

PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JCXXX-XXX-V series

HOW TO USE



The Split-core Current Transducer, V Series, is designed for energy management, with a convenient connection to electronic submeter. It may also be applied for current measurement in a system of distributed power line carriers (PLCs) or remote controls such as SCADA software for automation and supervision. Other applications include security and condition monitoring, load monitoring, in protection systems, and for predictive maintenance of conveyers, pumps or HVAC motors.

APPLICATIONS

- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

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.(Ø10, Ø16 type)
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side(Ø24, Ø36 type).
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

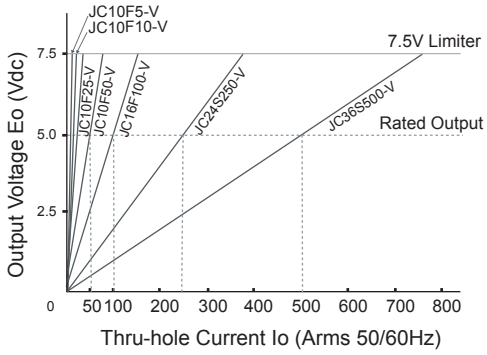
SPECIFICATION

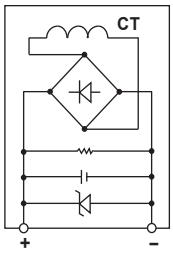
(F=50/60Hz)

Model	JCXXFXXX-V						JCXXSXXX-V	
	Ø10					Ø16	Ø24	Ø36
Current Range(Arms)	5	10	20	25	50	100	250	500
Max. Allowable Current	100%(Continuous), 150%(1mim.)							
Output	0~5V DC (Average)/0~Rated Current, 7.5V DC Limiter built-in							
Accuracy / Linearity	±2% FS. Dynamic Range 1:100(50/60Hz Sinewave)							
Output Impedance	7 kΩ	8.5 kΩ	6.8 kΩ	6.8 kΩ	6.2 kΩ	5.8 kΩ	5.8 kΩ	5.8 kΩ
Sensor Supply Voltage	Self-Powered							
Response Time	300ms							
Output Ripple Voltage	Within 5% of Output Voltage							
Output Terminals	2 x M3-Screw, with Terminals cover							
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							

PERFORMANCE / INTERNAL CIRCUIT DRAWINGS

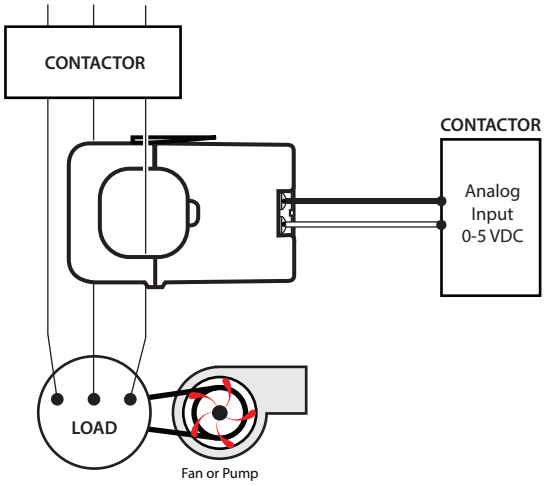
JC V Average

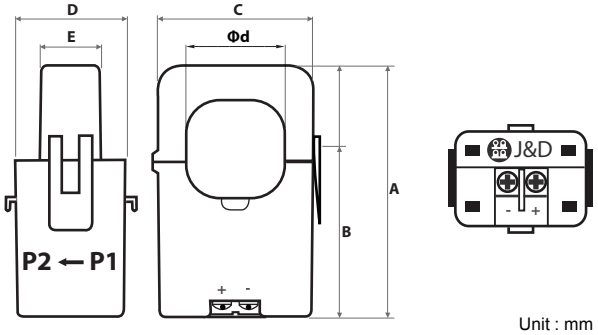




		JCØFXXX-V						JCØSXXX-V	
Std. Model	Ø	10					16	24	36
	XXX	5	10	20	25	50	100	250	500
Output Impedance(kΩ)		7	8.5	6.8		6.2	5.8		

APPLICATIONS / DIMENSION





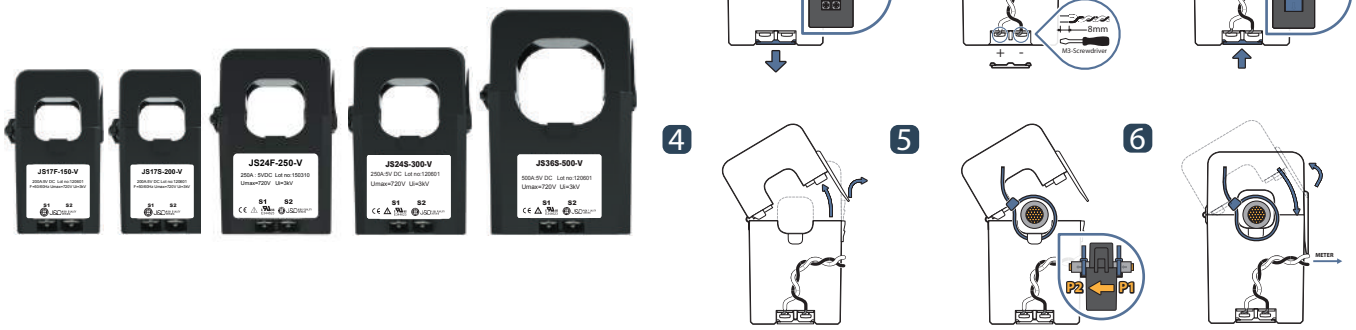
Unit : mm

Model	A	B	C	D	E	Ød
JC10F	50	38	23	26	14.5	10
JC16F	55	41	29.5	31	19	16
JC24S	74.5	52	45	34	22	24
JC36S	91	62	57	40.5	22	36

PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JSXXX-XXX-V series

E344623

HOW TO USE



Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 0-5V DC output proportional to the RMS value of the primary current.

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans / Lighting

BENEFITS

- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

FEATURES

- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage : 3kV RMS / 50Hz / 1min
- Sensing aperture : 21mm(for non-contact measurement)
- UL94-V0 recognized materials

NOTICE

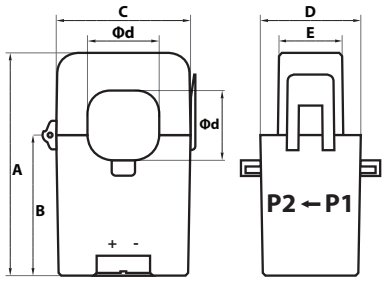
- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 500A RMS
- Choice of standard output types: 0-5V DC
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

SPECIFICATION

Rated Current (A)
5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500

Model	Output
JSXXX-XXX-V	0-5V DC
Electrical Data	Output Impendance 5.8kΩ(Self Power) & Average output

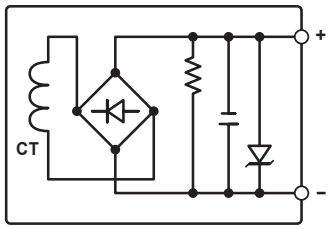
DIMENSIONS



	JS17F/S	JS24F/S	JS36S
A	64.1	74.5	91.4
B	41.1	47	57
C	33.1	45	57.1
D	35.8	33.7	40.2
E	26.2	21.1	21.1
Ød	17	24	36

INTERNAL CIRCUIT DRAWING

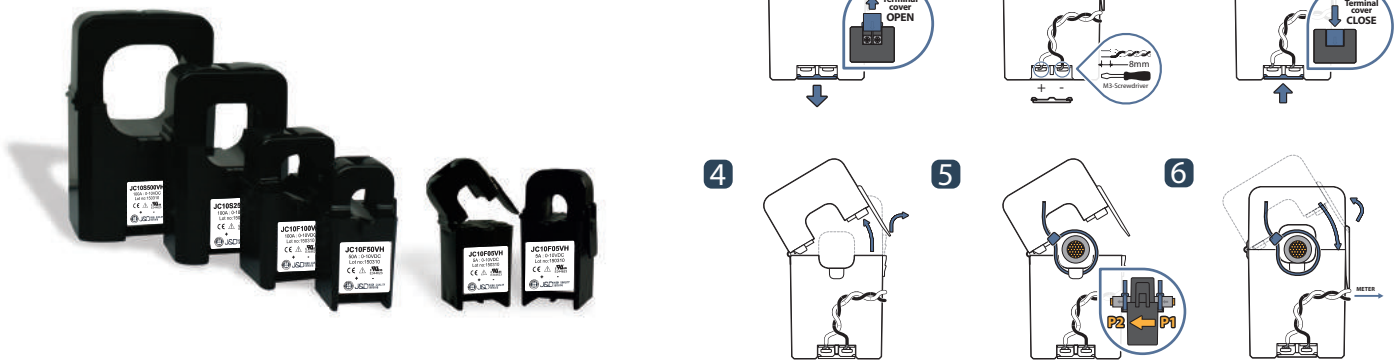
- **JSXXX-XXX-V/VH**



PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JCXXX-XXX-VH series

E344623

HOW TO USE



The Split-core Current Transducer, VH Series, is designed for energy management, with a convenient connection to electronic submeter. It may also be applied for current measurement in a system of distributed power line carriers (PLCs) or remote controls such as SCADA software for automation and supervision. Other applications include security and condition monitoring, load monitoring, in protection systems, and for predictive maintenance of conveyers, pumps or HVAC motors.

APPLICATIONS

- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES

- Nylon-spring, output-terminal, secure locking hinge, one-touch structure makes 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

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.(Ø16 type)
- Core contact surface is waterproofed, however if it gets rusty, you could reuse after removing rusts with spraying WD-40 or CRC5-56 on the rusted side(Ø24, Ø36 type).
- Do not use any other chemicals except WD-40 or CRC5-56 on housing or any other parts.
- Please use only the original output screws. Not recommanded to replace it with anything else.
- Customizing output lead wire

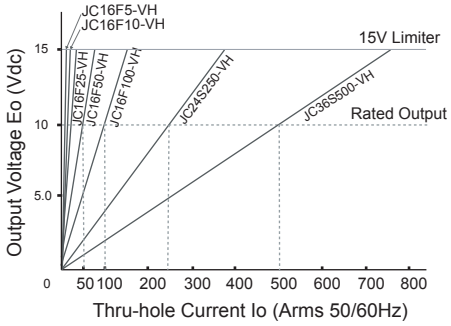
SPECIFICATION

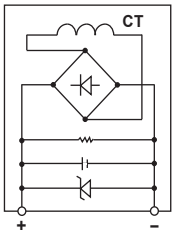
(F=50/60Hz)

Model	JCXXFXXX-VH	JCXXSXXX-VH	
	Ø16	Ø24	Ø36
Current Range(Arms)	0-5, 10, 20, 25, 50, 100	250	500
Max. Allowable Current	100%(Continuous), 150%(1mim.)		
Output	0~10V DC (Average)/0~Rated Current, 15V DC Limiter built-in		
Accuracy / Linearity	±2% FS. Dynamic Range 1:100 at 50/60Hz Sinewave		
Output Impedance	23 kΩ		
Sensor Supply Voltage	Self-Powered		
Response Time	300ms		
Output Ripple Voltage	Within 5% of Output Voltage		
Output Terminals	2 x M3-Screw, with Terminals cover		
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		

PERFORMANCE / INTERNAL CIRCUIT DRAWINGS

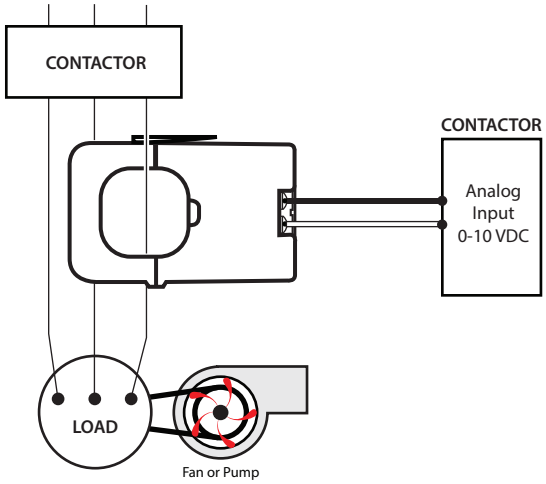
JC VH Average

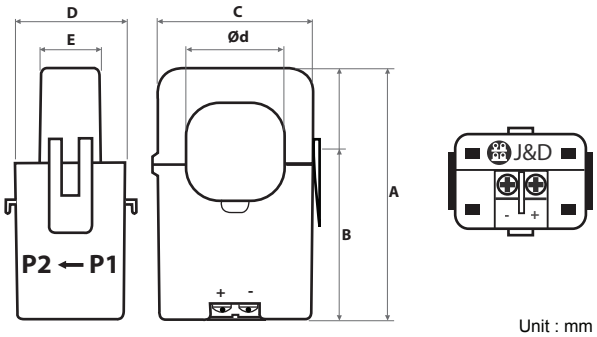




		JCØFXXX-VH						JCØSXXX-VH	
Std. Model	Ø	16						24	36
	XXX	5	10	20	25	50	100	250	500
Output Impedance(kΩ)		23							

APPLICATIONS / DIMENSIONS





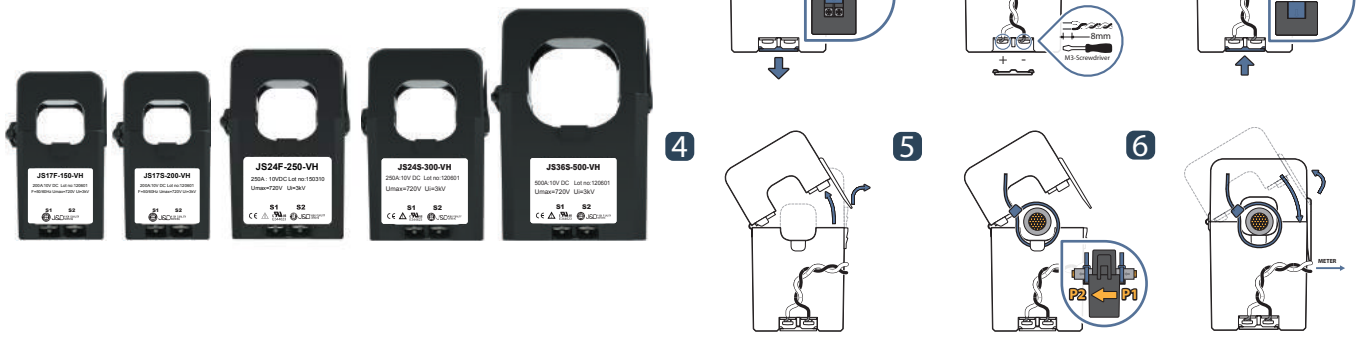
Unit : mm

Model	A	B	C	D	E	Ød
JC16F	55	41	29.5	31	19	16
JC24S	74.5	52	45	34	22	24
JC36S	91	62	57	40.5	22	36

PRECISION
SPLIT-CORE CURRENT TRANSDUCER
JSXXX-XXX-VH series

E344623

HOW TO USE



Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 0-10V DC output proportional to the RMS value of the primary current.

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans / Lighting

BENEFITS

- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

FEATURES

- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage : 3kV RMS / 50Hz / 1min
- Sensing aperture : 21mm(for non-contact measurement)
- UL94-V0 recognized materials

NOTICE

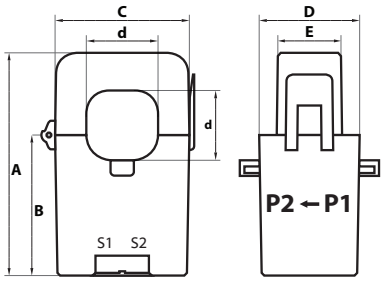
- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 500A RMS
- Choice of standard output types: 0-10V DC
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

SPECIFICATION

Rated Current (A)
5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500

Model	Output
JSXXX-XXX-VH	0-10V DC
Electrical Data	Output Impendance 23kΩ(Self Power) & Average output

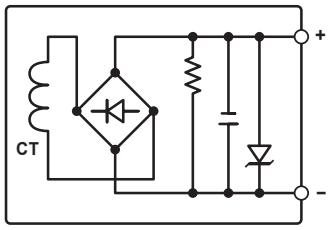
DIMENSIONS



	JS17F/S	JS24F/S	JS36S
A	64.1	74.5	91.4
B	41.1	47	57
C	33.1	45	57.1
D	35.8	33.7	40.2
E	26.2	21.1	21.1
Ød	17	24	36

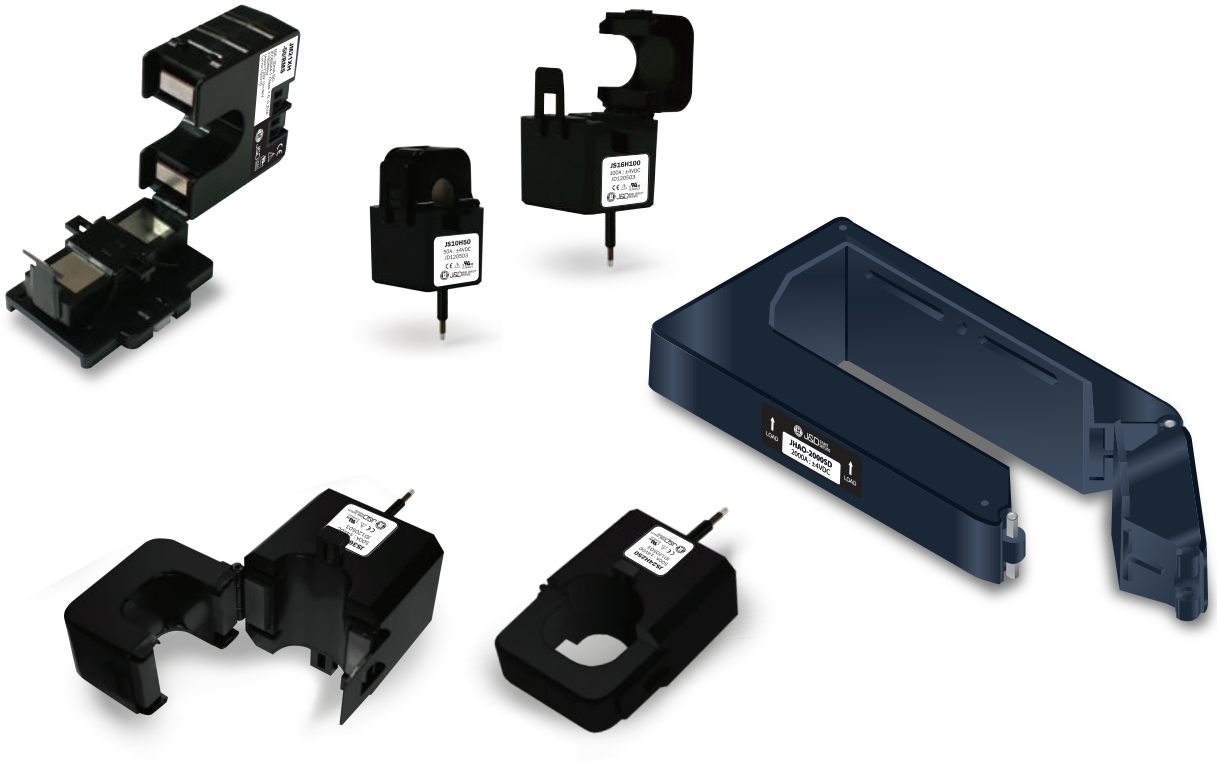
INTERNAL CIRCUIT DRAWING

- **JSXXX-XXX-V/VH**



SPLIT-CORE DC CURRENT TRANSDUCER

E344623



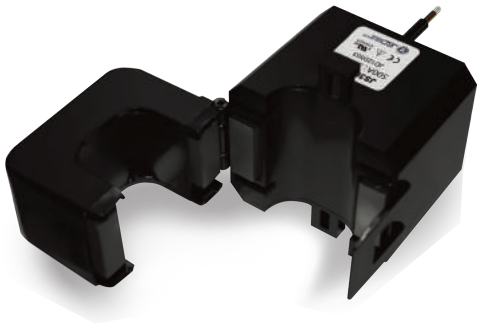
Applying laminated split core technology and open loop technology split core DC current transducer is designed for strong durability. It improves not only existing errors at the low current but also errors occurred by 'external vibration and shock' to minimize tolerance on cutting cross section of core. As a simple one touch split structure, it offers best solution for security and fast installation on high frequency monitoring device without cutting power line. Rated current is DC 5A-2,000A. Main applications are inverter monitoring, DC smart meter, PV energy saving and etc.

CONTENTS

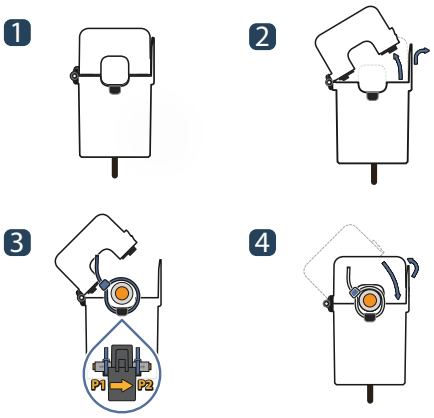
SPLIT-CORE DC CURRENT TRANSDUCER

SPLIT-CORE DC CURRENT TRANSDUCER

JSXXXH-XXX Series



HOW TO USE



JS10 / 16 / 24 / 36 XH Hall Sensor series, applying with accurate laminating core split technology and Open Loop technology iSAST OPEN HCS, JSXXXH Series designed for strong durability and improves both existed error in low current and error occurred by 'external vibration and shock' to minimize tolerance on cutting cross section of core. As compact one-touch split structure, it offers best solution for security and fast installation on high frequency monitoring device instead of cutting power line. Rated current is DC5A-500A, it satisfies with accuracy 1.0 and it certifies with security accreditation IEC61010-1, UL61010-1 and EN61010-1 as offcial document.

FEATURES

- One touch clamp structure
- Isolation measurement
- ± 15V(25mA) power supply

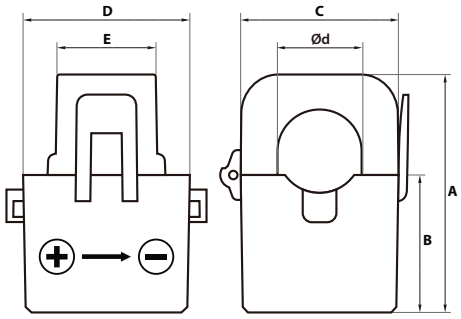
CAUTION

- Core's hysteresis occurs O point variation in proportion to its volume after over current.
- Output value includes each variation points so we recommend that actual range as over 5% space than rating, not over max current consecutively.

SPECIFICATION

MODEL	JS10NH-005 JS16NH-005	JS10NH-010 JS16NH-010	JS10NH-015 JS16NH-015	JS10NH-020 JS16NH-020	JS10NH-020 JS16NH-020	JS10NH-050 JS16NH-050	JS16NH-075	JS16NH-100	JS24NH-150	JS24NH-200	JS24SH-250	JS24SH-300	JS36SH-400	JS36SH-500
Rating current	5A	10A	15A	20A	25A	50A	75A	100A	150A	200A	250A	300A	400A	500A
Saturation current	7.5AT	15AT	22.5AT	30AT	37.5AT	75AT	112.5AT	150AT	225AT	250AT	625AT	625AT	625AT	625AT
Output voltage	±4 V, 1% at rated current RL=10KΩ													
Offset voltage	±30 mV max Less than								±20 mV max					
Noise level	< 20mVp-p								< 10mVp-p					
Output linearity	±1% rated current													
Power supply	±15 V (±5%) 25mA													
di/dt response time	3 μ sec (Typ.) at di/dt = F.S/μ Sec.													
Output temperature character	±0.2% / °C (Typ.)						±0.1% / °C (Typ.)							
Insulation withstand voltage	AC 1500V / 1min.													
Insulation resistance	DC 500V / 500MΩ max													
Operating Condition	-25°C~+75°C, 85 % RH non-condensing													
Storage Condition	-35°C~+90°C, 85 % RH non-condensing													

DIMENSION

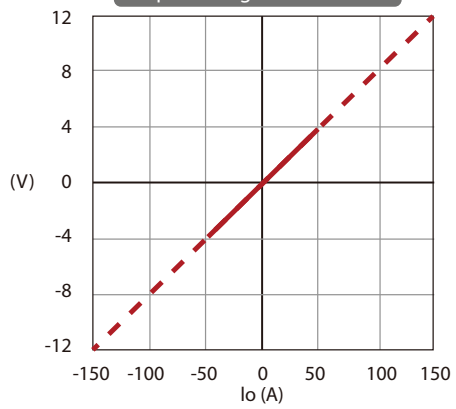


Unit : mm

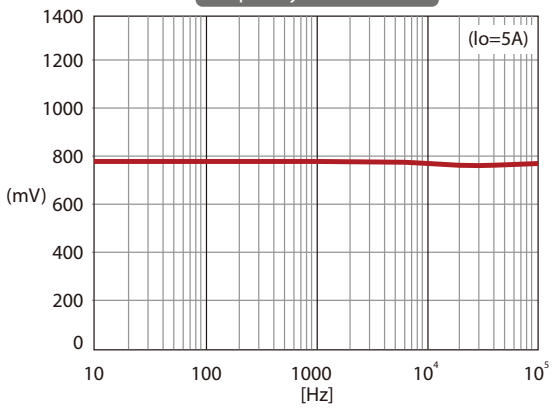
Model	A	B	C	D	E	Ød
JS10XH-XXX	40.5	23	23.7	26.6	14.5	10
JS16XH-XXX	45	26	30	31.6	18.8	16
JS24XH-XXX	65	37.5	45	33.7	21.1	24
JS36XH-XXX	82.4	48	57.1	40.2	21.1	36

GRAPH

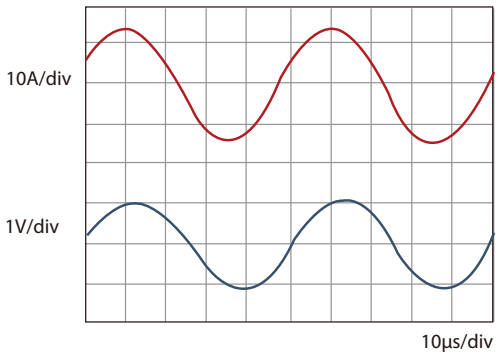
Output Voltage Characteristic



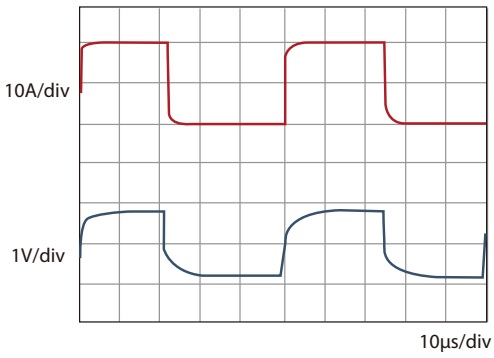
Frequency Characteristic



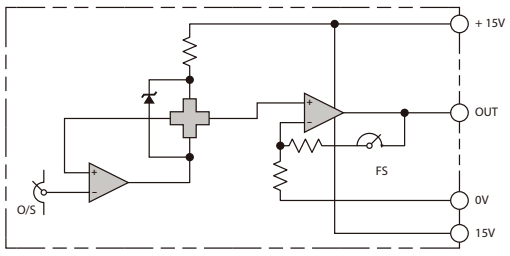
Output Wave-1



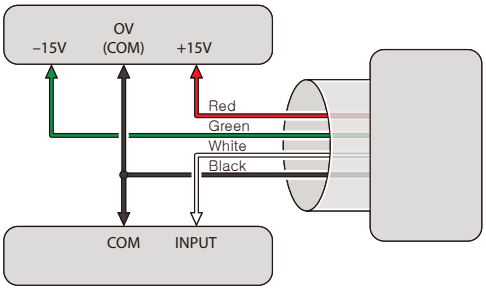
Output Wave-2



INTERLOCK BLOCK DIAGRAM



CONNECTION DIAGRAM



SPLIT-CORE DC CURRENT TRANSDUCER

JHAO-XXXXSD Series

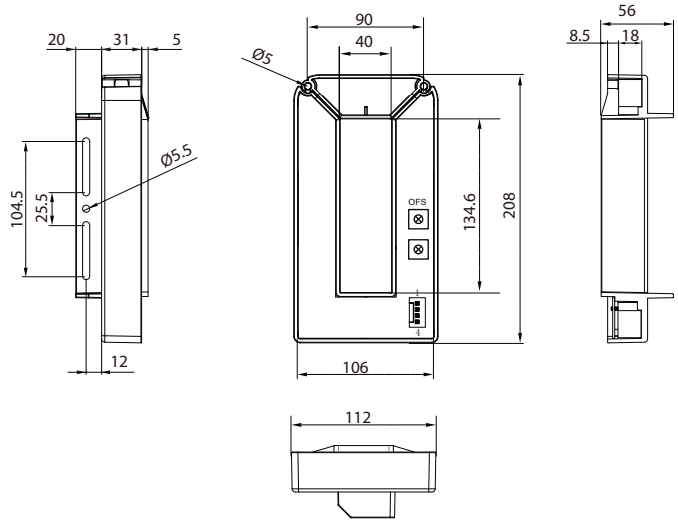
FEATURES

- Panel mounting
- Industrial temperature range
- UL94V0 compliance
- CE and RoHS available

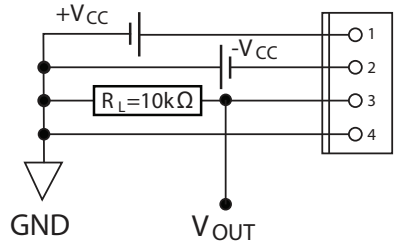
SPECIFICATION

MODEL	JHAO-800SD(X)	JHAO-1000SD(X)	JHAO-1500SD(X)	JHAO-2000SD(X)
Rating current	800A	1000A	1500A	2000A
Saturation current	±1600A	±2000A	±3000A	±4000A
Output voltage	±4 V, 0.5% at rated current RL=10KΩ			
Offset voltage	±20 mV			
Output linearity	±0.5% rated current			
Power supply	±15 V (±5%)			
Di/dt response time	7 μ sec (Typ.) at di/dt = F.S/μ Sec.			
Output temperature Character	± 0.1% / °C (Typ.)			
Offset voltage temperature character	± 1mV / °C (Typ.)			
Hysteresis Error	25mV(IF=F.S) Less than 25mV			
Insulation withstand voltage	AC 2500V / 1min.			
Insulation resistance	DC 500V / 500MΩ max			
Operating Condition	-10°C ~ +70°C			
Storage Condition	-25°C ~ +85°C			

DIMENSIONS(UNIT : MM)



CONNECTION



Terminal Pin	1	2	3	4
Function	+ 15V	– 15V	Output	0 V

Core=Silicon steel plate

SPLIT-CORE AC/DC CURRENT TRANSDUCER

JM21XH-XXX-XXX Series

Split-core current transducer for the electronic measurement of AC waveform currents, with galvanic isolation between the primary circuit (power) and the secondary circuit (measurement). 0-5V DC, 0-10V DC, 4-20mA DC output proportional to the RMS value of the primary current.

MAIN CHARACTERISTICS

- Current transformer and RMS circuit in a single case
- Choice of primary current ranges: 5 to 250A
- Choice of standard output types: 4-20mA, 0-5V or 0-10V
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz

APPLICATIONS

- Automation and Supervision
- Safety and Condition Monitoring
- HVAC & Pumps
- Refrigeration
- Small Industrial Motors
- Fans
- Lighting

FEATURES

- Self-powered and loop-powered versions
- Operating range: -20°C to +60°C
- Isolation test voltage : 3.5kV RMS / 50Hz / 1min
- Sensing aperture : 21mm(for non-contact measurement)
- UL94-V0 recognized materials

ADVANTAGES

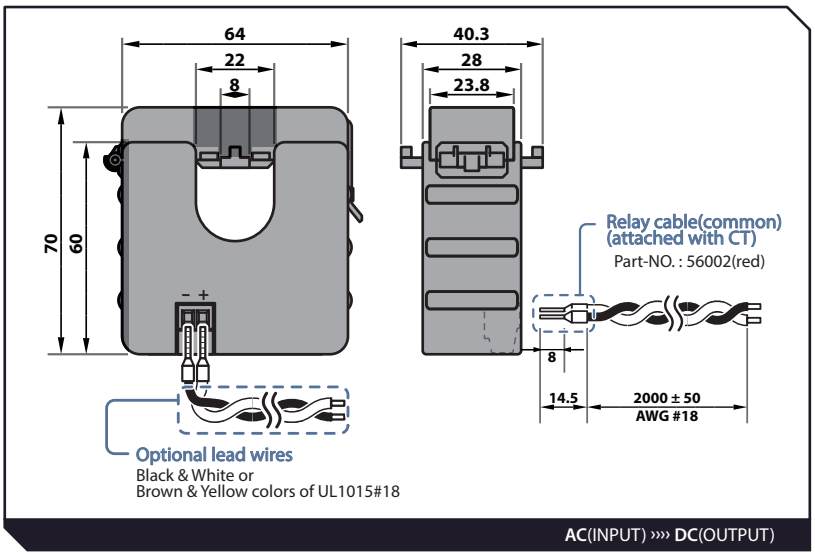
- High isolation between primary and secondary circuits
- Compact case
- Cost-effective solution
- Easy installation

SPECIFICATION

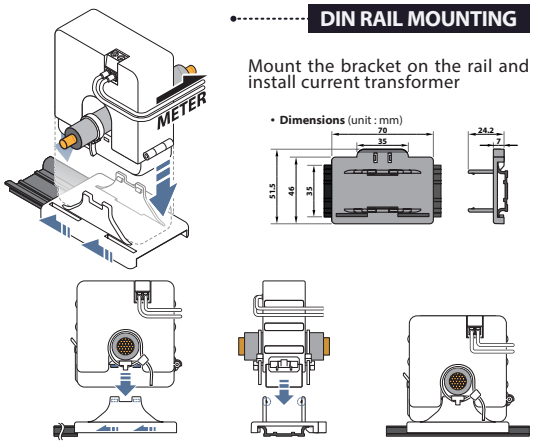
Rated Current (A)	5, 10, 20, 25, 50, 75, 100, 150, 200, 250

Model	Output	Electrical Data
JM21XH-XXX-V	0-5V DC	Output Impendance 5.8kΩ(Self Power) & Average output
JM21XH-XXX-VH	0-10V DC	Output Impendance 23kΩ(Self Power) & Average output
JM21XH-XXX-RMS	4-20mA DC	4-20mA DC (RMS)/0~Rated Current (Load resistance : ≤ 600Ω at P/S : 24V)

DIMENSIONS (UNIT : MM)

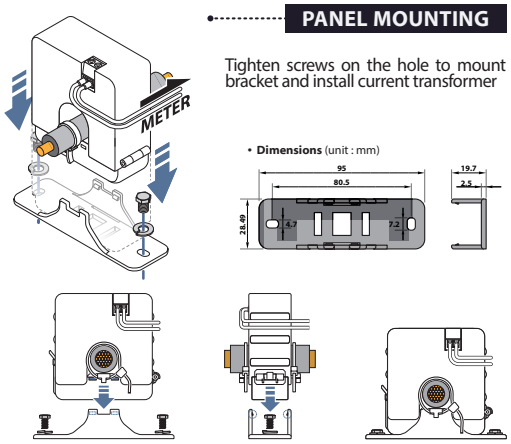


ACCESSORY OPTION



DIN RAIL MOUNTING

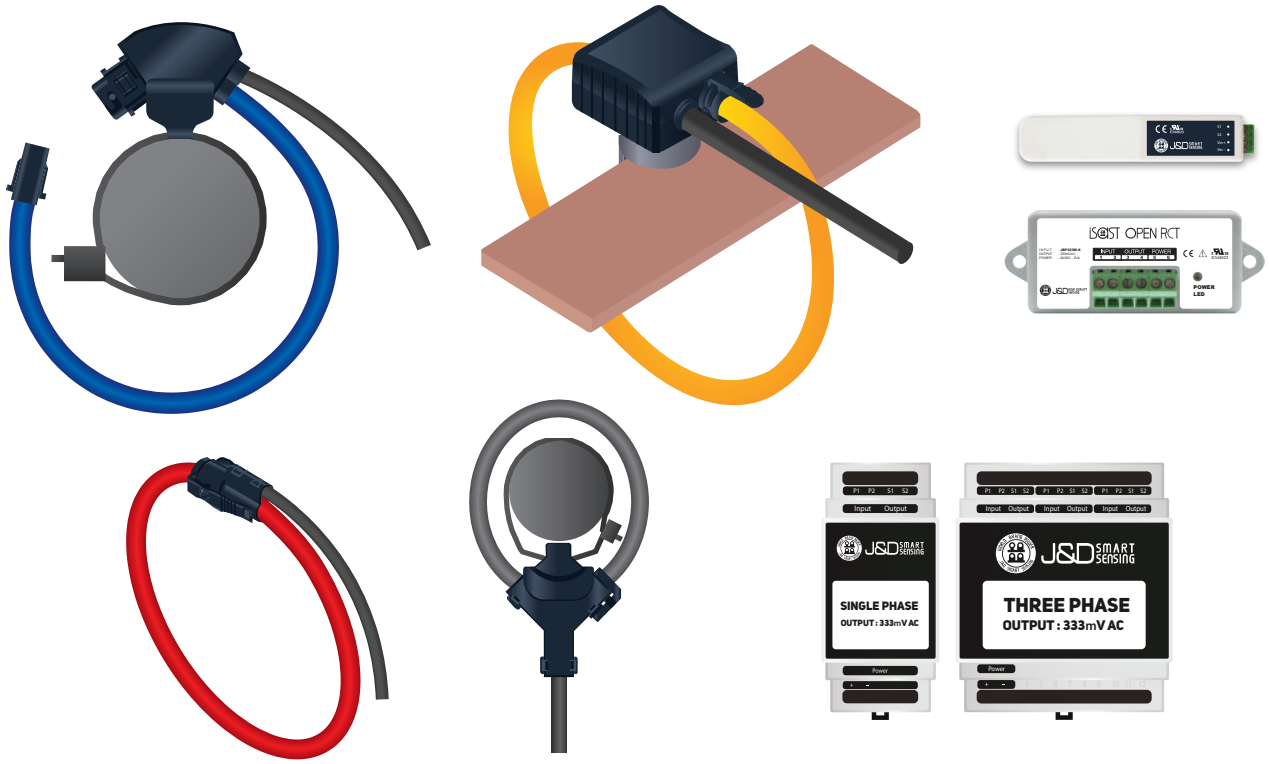
Mount the bracket on the rail and install current transformer



PANEL MOUNTING

Tighten screws on the hole to mount bracket and install current transformer

PRECISION CLAMP ON FLEXIBLE ROGOWSKI COIL CURRENT TRANSFORMER



iSAST OPEN RCT is made with high accurate coil winding technology on air core which shows precise quality from low current to high current and provides optimizing solution. It improves both conductor positioning error and influence by external magnetic field. As split clip flexible outfit, it can be easily installed even at limited space without cutting power lines. Main applications are power distribution monitoring, high current measuring, sub metering and etc.

*** Indoor / Outdoor**

Inner Diameter(mm)	35, 55, 75, 80, 105, 115, 120, 170, 180, 190, 295, 300, 305
Current Range	100 to 6,000A AC
Secondary Output	Instantaneous Voltage / 333mV AC

- Insulation CAT Ⅲ 1000V, CAT Ⅳ 600V AC
- Accuracy Class 0.5S / 1.0 complying with IEC 61869-2
- Certificated for UL & CE complying with IEC61010-1
- IP65 or IP67 (International Protection code)

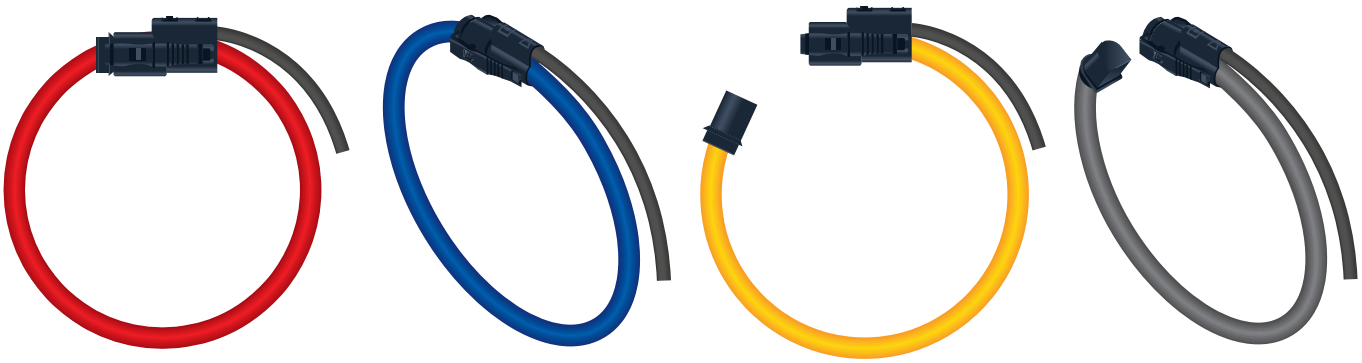
New JRF MOI (Including a voltage integrator) for outdoor metering, Class 0.5S

CONTENTS

PRECISION CLAMP ON FLEXIBLE ROGOWSKI COIL CURRENT TRANSFORMER

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXXS/A(X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of wide AC current, pulsed DC or distorted waveforms. It may be used to measure AC current over a wide dynamic range and from 10Hz to 20kHz.

APPLICATIONS

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in eletronic Watt-hour meter

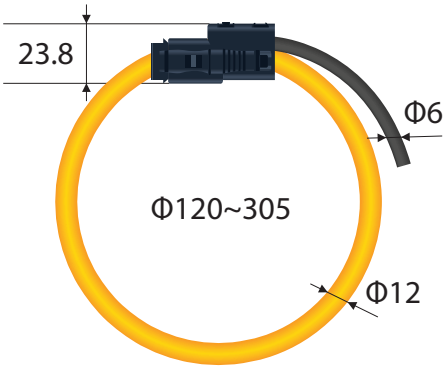
FEATURES

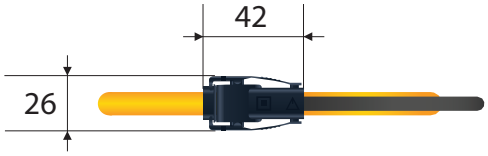
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Available shielding type on request
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0

SPECIFICATION

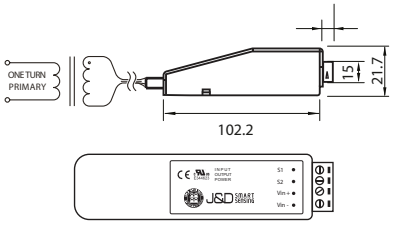
Model		JRFS-120X	JRFS-190X	JRFS-305X
Rated Current		500A ~ 2kA	1kA ~ 4kA	2kA ~ 6kA
Output Voltage	A Type	100mV(50Hz) [120mV(60Hz)] 1kA		
	S Type	333mV(50Hz) [399.6mV(60Hz)] 1kA		
Accuracy		< 1%		
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)		
Frequency Range		10Hz to 20kHz		
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)		
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)		
Linearity (10% to 100% of range)		±0.2% of reading		
Conductor Position Sensitivity		±2% maximum		
Influence of External Field		±2% maximum		
Working Temp.		-30˚C ~ + 60˚C		
Storage Temp.		-40˚C ~ + 60˚C		
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)		
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032		
Testing Voltage		7400V/1min		

DIMENSIONS

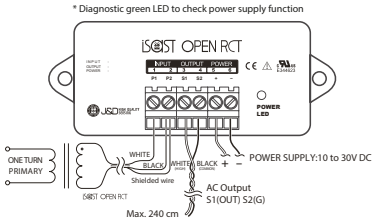




OPTION : INTERGRATOR C/M/S/T-XXX SERIES

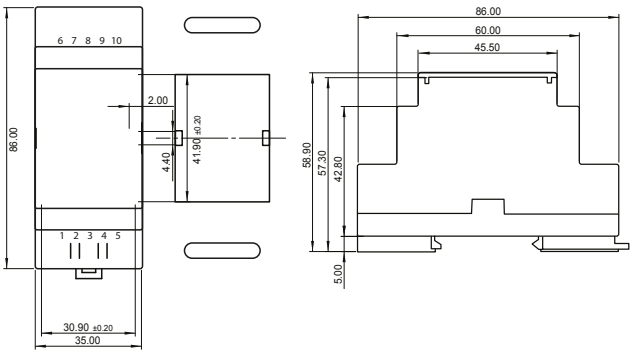


C Type 333mVAC



M Type 333mVAC

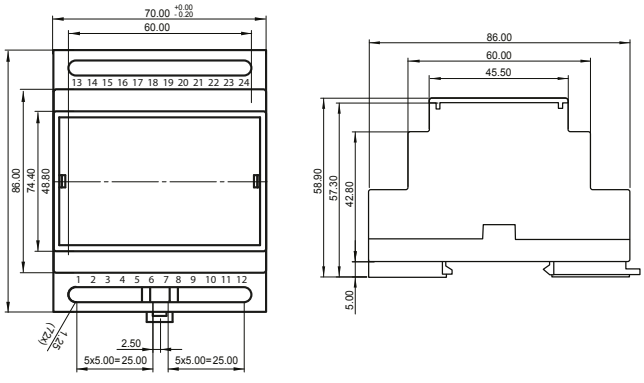
Output : 333mVAC



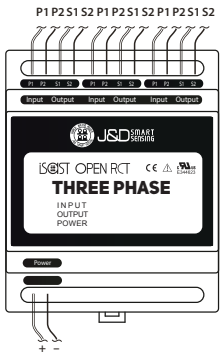
S Series Output : 333mVAC

Power supply : 24V DC

Output : 333mVAC



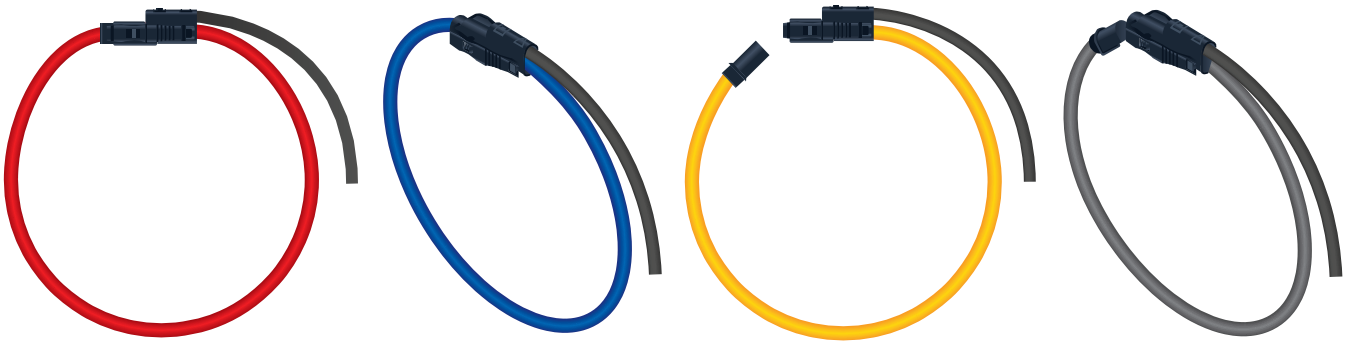
T Series Output: 333mVAC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX(X-XXX) Series



J&D's new Micro-accuracy flexible rogowski coil measures even sensitive error to use special magnetic winding technology with small size. It is very effective for small sized AC measuring utility since it reduces chronically affected errors on existed Rogowski coil by conductor's position.

APPLICATIONS

- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

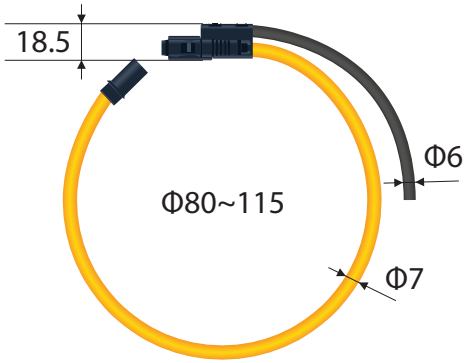
FEATURES

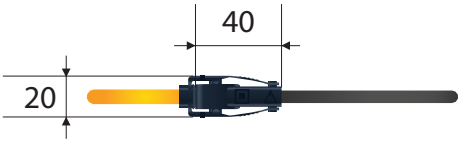
- Ø80, Ø115mm sensing aperture for non-contact measurement
- Very low position sensitivity
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94 -V0

SPECIFICATION

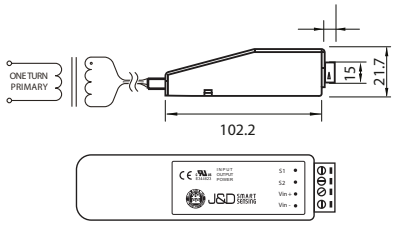
Model	JRFS-080	JRFS-115
Rated Current	1kA	1kA ~ 2kA
Output Voltage	104mV AC/1kA@50Hz 124.8mV AC/1kA@60Hz	136mV AC/2kA@50Hz 163.2mV AC/2kA@60Hz
Accuracy	< 1%	
Phase Shift	< 1° at 50/60Hz (typical < 0.5°)	
Frequency Range	10Hz to 20kHz	
Output Sensitivity Tolerance	±10% maximum(Uncalibrated)	
Output Sensitivity Tolerance	±0.5% of reading at 25°C (Calibrated)	
Linearity (10% to 100% of range)	±0.2% of reading	
Conductor Position Sensitivity	±2% maximum	
Influence of External Field	±2% maximum	
Working Temp.	-30˚C ~ + 60˚C	
Storage Temp.	-40˚C ~ + 60˚C	
Insulation Category	CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)	
Safety Standards	EN/UL/cUL 61010-1, 61010-2-032	
Testing Voltage	7400V/1min	

DIMENSIONS

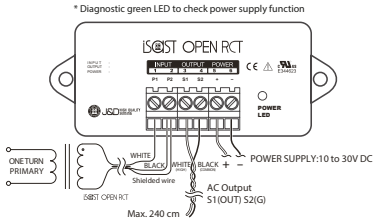




OPTION : INTERGRATOR C/M/S/T-XXX SERIES

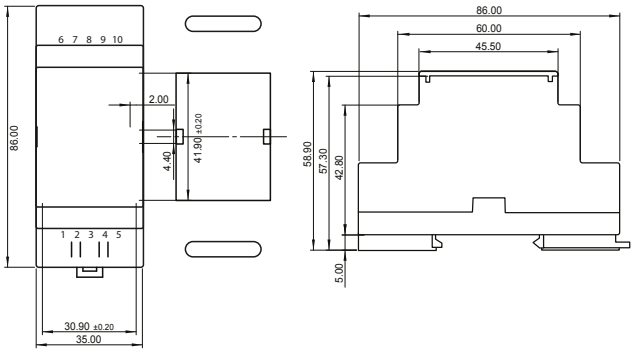


C Type 333mVAC



M Type 333mVAC

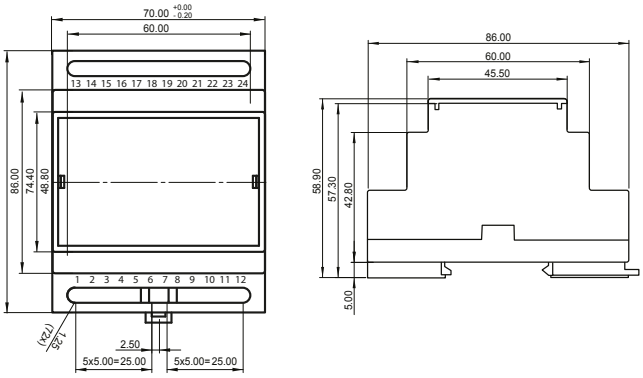
Output : 333mVAC



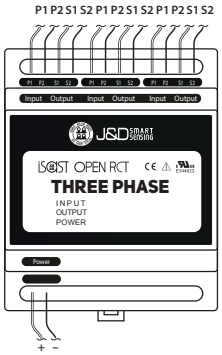
S Series Output : 333mVAC

Power supply : 24V DC

Output : 333mVAC



T Series Output: 333mVAC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXXY(X-XXX) Series

J&D's new Micro-accuracy flexible rogowski coil measures even sensitive error to use special magnetic winding technology with small size. It is very effective for small sized AC measuring utility since it reduces chronically affected errors on existed Rogowski coil by conductor's position.

APPLICATIONS

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in eletronic Watt-hour meter

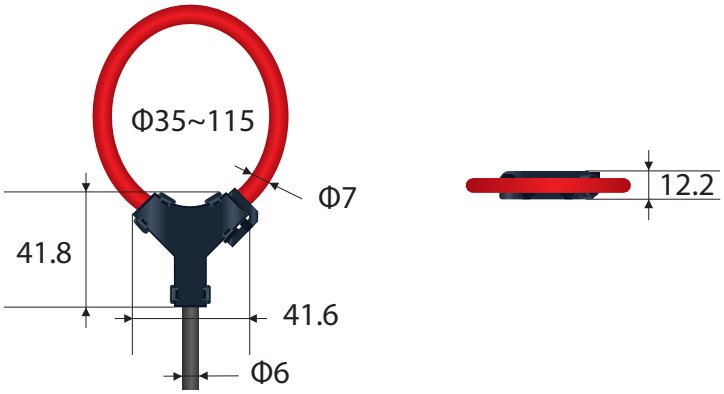
FEATURES

- Ø35 / Ø55 / Ø80 / Ø105mm sensing aperture for non-contact measurement
- Very low position sensitivity
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0

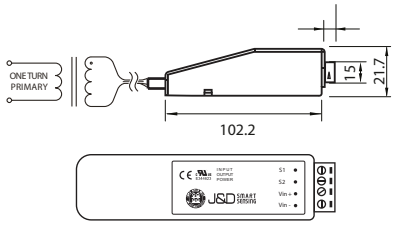
SPECIFICATION

Model	JRFS-035Y	JRFS-055Y	JRFS-080Y	JRFS-105Y
Current Ratio	250A ~ 500A	250A ~ 500A	250A ~ 1kA	1kA ~2kA
Output Voltage	48mV AC/500A@50Hz 57.6mV AC/500A@60Hz	50mV AC/500A@50Hz 60mV AC/500A@60Hz	104mV AC/1000A@50Hz 124.8mV AC/1000A@60Hz	208mV AC/2000A@50Hz 249.6mV AC/2000A@60Hz
Accuracy	< 1%			
Phase Shift	< 1° at 50/60Hz (typical < 0.5°)			
Frequency Range	10Hz to 20kHz			
Output Sensitivity Tolerance	±10% maximum(Uncalibrated)			
Output Sensitivity Tolerance	±0.5% of reading at 25°C (Calibrated)			
Linearity (10% to 100% of range)	±0.2% of reading			
Conductor Position Sensitivity	±2% maximum			
Influence of External Field	±2% maximum			
Working Temp.	-30˚C ~ + 60˚C			
Storage Temp.	-40˚C ~ + 60˚C			
Insulation Category	CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)			
Safety Standards	EN/UL/cUL 61010-1, 61010-2-032			
Testing Voltage	7400V/1min			

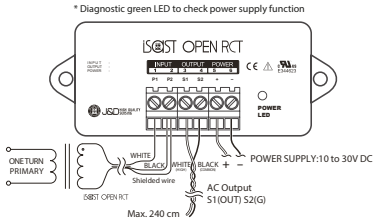
DIMENSIONS



OPTION : INTERGRATOR C/M/S/T-XXX SERIES

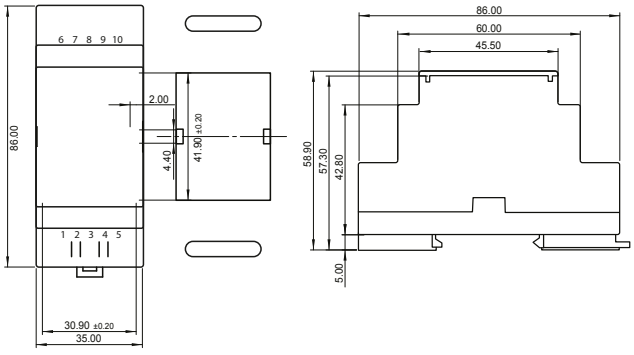


C Type 333mVAC



M Type 333mVAC

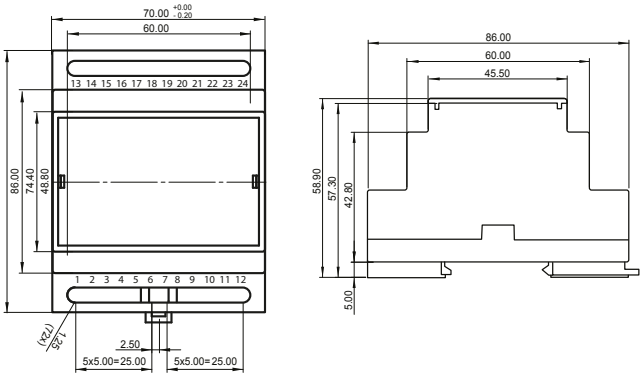
Output : 333mVAC



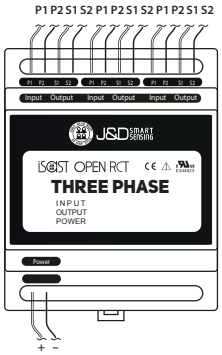
S Series Output : 333mVAC

Power supply : 24V DC

Output : 333mVAC



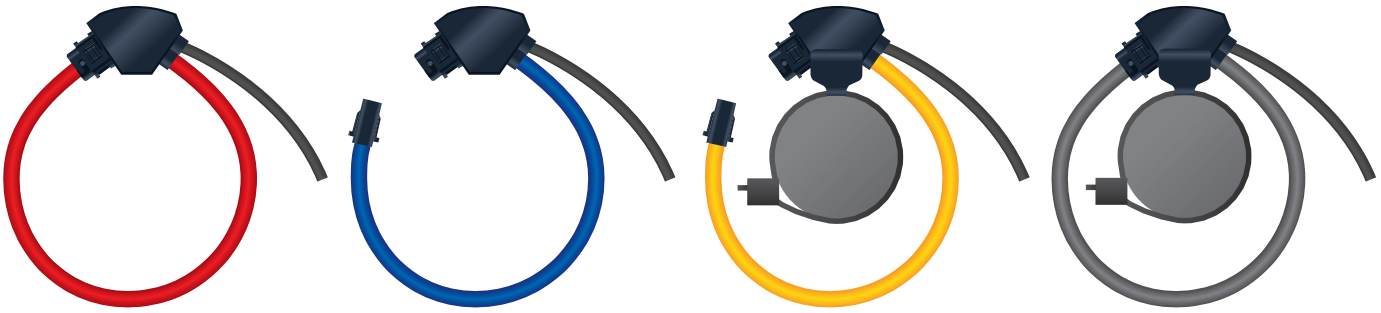
T Series Output: 333mVAC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX-M/P (X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRFS-XXX-M/P (X-XXX) series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

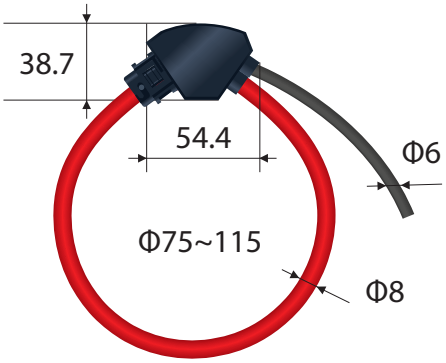
FEATURES

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Certificated for UL & CE complying with IEC 61010-1
- Optional size is available from ID 75 to 115mm. (ex. ID 80mm)

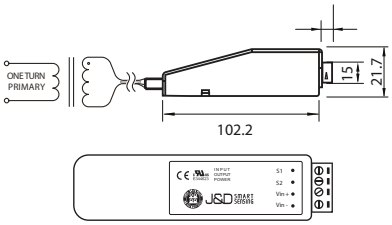
SPECIFICATION

Model		JRFS-080X JRFS-075X	JRFS-115X JRFS-105X
Rated Current		250A ~ 1kA	1kA ~ 2kA
Output Voltage	M Type	104mV(50Hz) [124.8mV(60Hz)] 1kA	
	P Type	35mV(50Hz) [42mV(60Hz)]1kA	
Accuracy		< 1%	
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)	
Frequency Range		10Hz to 20kHz	
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)	
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)	
Linearity (10% to 100% of range)		±0.2% of reading	
Conductor Position Sensitivity		±2% maximum	
Influence of External Field		±2% maximum	
Working Temp.		-30˚C ~ + 60˚C	
Storage Temp.		-40˚C ~ + 60˚C	
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)	
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032	
Testing Voltage		7400V/1min	

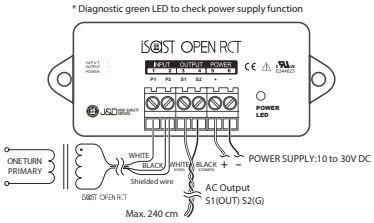
DIMENSIONS



OPTION : INTERGRATOR C/M/S/T-XXX SERIES

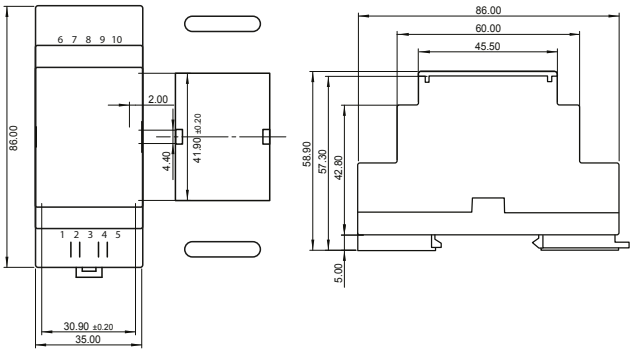


C Type 333mVAC



M Type 333mVAC

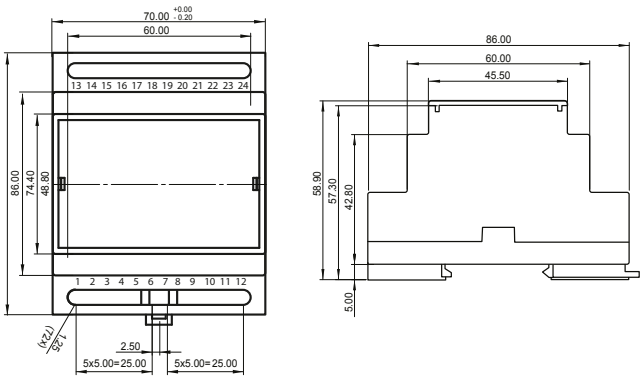
Output : 333mVAC



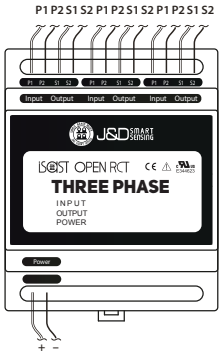
S Series Output : 333mVAC

Power supply : 24V DC

Output : 333mVAC



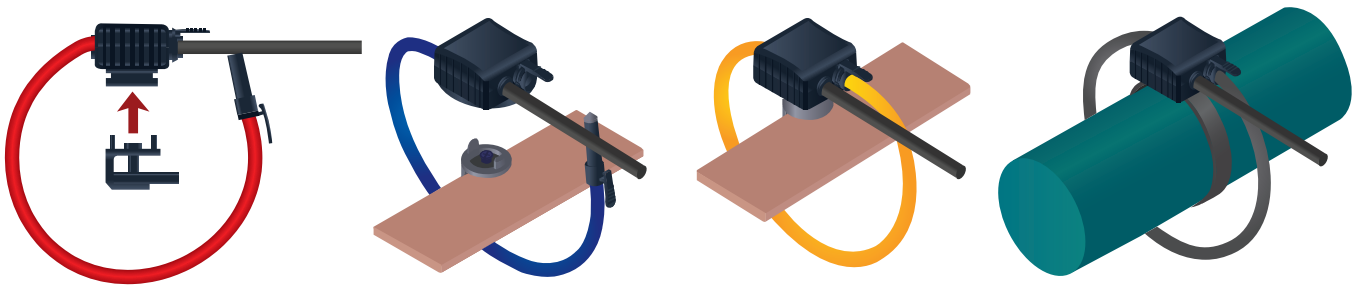
T Series Output: 333mVAC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX-R/U (X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRFS-XXX-R/U (X-XXX) series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

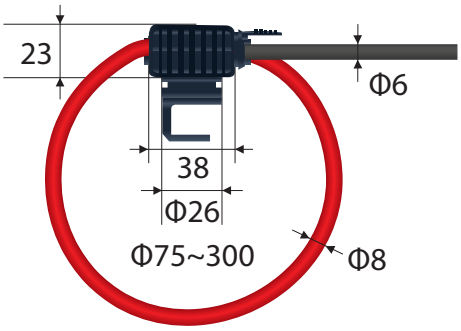
FEATURES

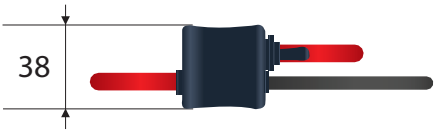
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Certificated for UL & CE complying with IEC 61010-1
- Optional size is available from ID 75 to 300mm. (ex. ID 80mm)

SPECIFICATION

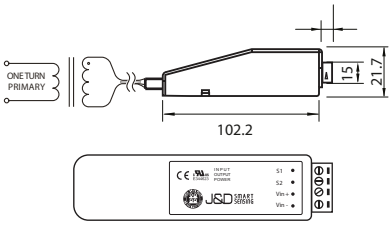
Model		JRFS-080X JRFS-075X	JRFS-115X JRFS-105X	JRFS-180X JRFS-170X	JRFS-300X JRFS-295X
Rated Current		500A ~ 6kA			
Output Voltage	R Type	104mV(50Hz) [124.8mV(60Hz)] 1kA			
	U Type	35mV(50Hz) [42mV(60Hz)]1kA			
Accuracy		< 1%			
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)			
Frequency Range		10Hz to 20kHz			
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)			
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)			
Linearity (10% to 100% of range)		±0.2% of reading			
Conductor Position Sensitivity		±2% maximum			
Influence of External Field		±2% maximum			
Working Temp.		-30˚C ~ + 80˚C			
Storage Temp.		-40˚C ~ + 80˚C			
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)			
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032			
Testing Voltage		7400V/1min			

DIMENSIONS

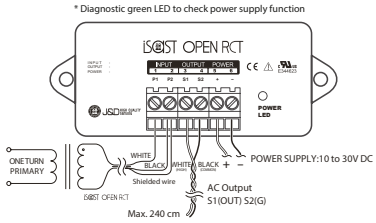




OPTION : INTERGRATOR C/M/S/T-XXX SERIES

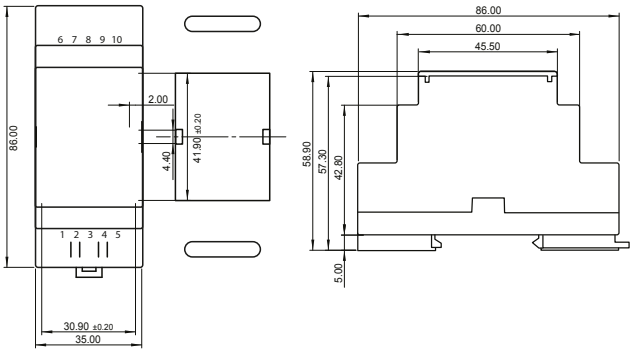


C Type 333mVAC



M Type 333mVAC

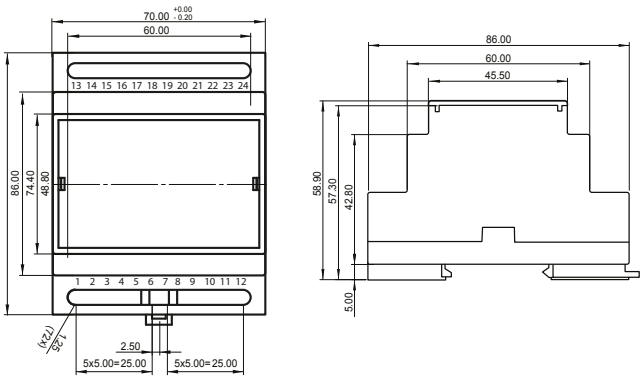
Output : 333mVAC



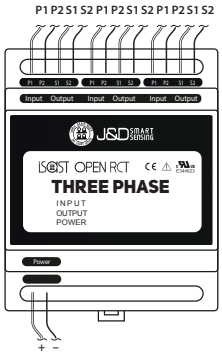
S Series Output : 333mVAC

Power supply : 24V DC

Output : 333mVAC



T Series Output: 333mVAC

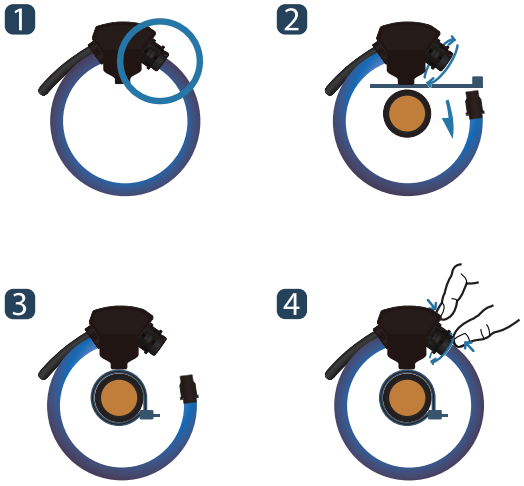


Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRF MOI 333M Series

HOW TO USE



Clamp-on Flexible Rogowski coil Current Transducer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRF MOI series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

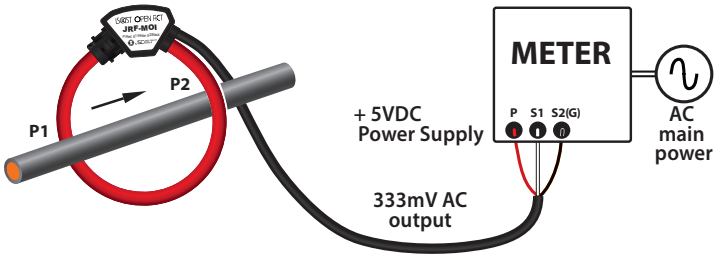
FEATURES

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Accuracy Class 0.5/1.0 complying with IEC61869-2
- Certificated for & CE complying with IEC 61010-1
- Optional size is available from ID 80 to 115mm.

SPECIFICATION

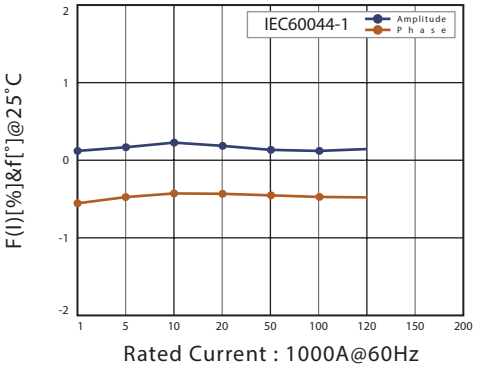
Model	JRF MOI 333M-80	JRF MOI 333M-115
Current Ratio	Input from 250 Amp to 6,000 Amp	
Rated Current	100, 150, 200, 250, 300, 400, 500, 600, 800, 1k, 1.2k, 1.5k, 2k, 2.4k, 2.5k, 3k, 4k, 5k, 6k	
Accuracy	<1% typical at 2% to 120% of rated current	
Output Signal	333mVAC	
Power Requirement	+ 5 VDC , 30mA Maximum	
Phase Shift	<1° at rated current	
Frequency	50/60Hz	
Linearity	±0.2%	
Conductor Position Sensitivity	±1% maximum	
Influence of External Field	±1.5% maximum	
Operating Temp.	-30°C ~ +80°C	
Insulation Category	CATⅢ 1000V, Ⅳ 600V	

OUTDOOR POWER & INDOOR POWER LOAD

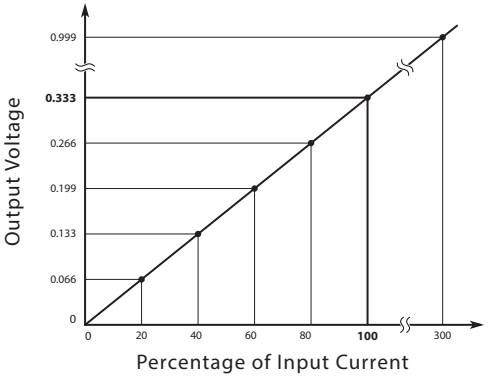


- Power source (P) : +5VDC (±5%), connected to S2 (Ground)
  (Keep (P) should be under ±5% of +5VDC to avoid a damage on power supply)
- Output : S1, connected to S2 (Ground)
- **P : Red OUTPUT : White S2(G) : Black**

LINEARITY & PHASE ANGLE ERROR GRAPH



OUTPUT VOLTAGE GRAPH

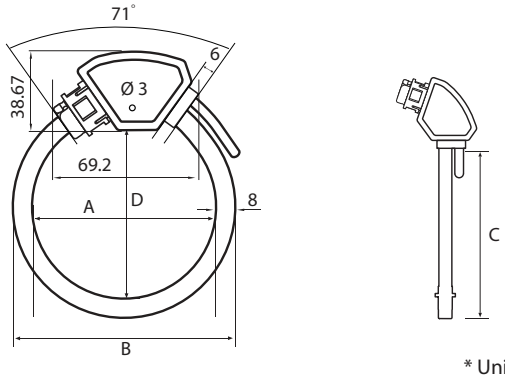


THE ROGOWSKI LOOP CIRCUMFERENCE IS 19CM

Conductor Position	Typical Error(%)
Adjacent to the inside coil edge	< 0.5%
Adjacent to the clip together mechanism	< 0.5%
Central in the Rogowski loop	0.1%

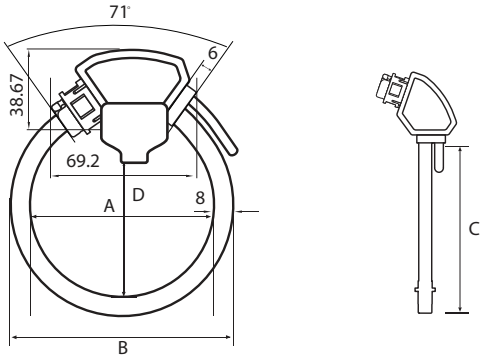
Note that with a larger conductor the variation of error with conductor position will decrease and approach the calivrated value.

DIMENSION(CHOOSE JRF-MOI-XXC IF YOU REQUIRE TIES FOR ATTACHING TO THE CONDUCTOR)



* Unit : mm

Model	A	B	C	D
JRF MOI 333M-40	58	66	185	40
JRF MOI 333M-80	80	96	285	80
JRF MOI 333M-115	115	141	385	115

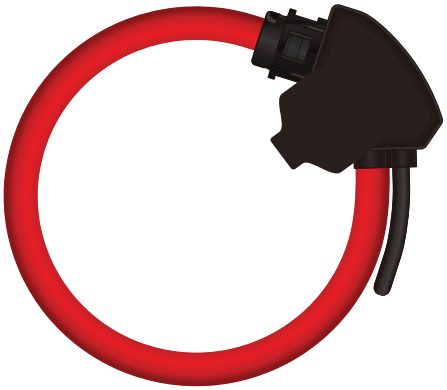


* Unit : mm

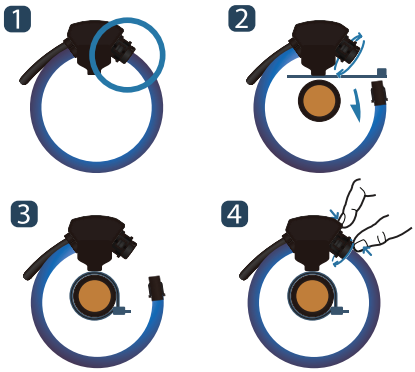
Model	A	B	C	D
JRF MOI 333M-40C	58	66	185	30
JRF MOI 333M-80C	80	96	285	70
JRF MOI 333M-115C	115	141	385	105

Precision Clamp on Flexible Rogowski coil CT

JRF MOI XXXXPU Series



HOW TO USE



JRF-MOI-PU Rogowski coil current transformer are accurate, flexible, rope style air coils that can be connected around conductors while the conductor is "lives". They are easier to install and measure than traditional split and solid core CT.
With their flexible design and light weight, they are ideal for bus bars and irregular-shaped bundles of multiple conductors.
The Rogowski coil technology offers low phase shift error, inductance and excellent linearity while largely immune to electromagnetic interference and pulsed DC, providing a high rate of accuracy.
JRF-MOI-PU coils can be used in single and three-phase measurement applications. The output of the built-in voltage integrator provides an AC voltage of 333mV at the rated input current. There is an option to choose a different output voltage between 100-500mV AC at up to 6,000 Amps.
The built-in integrator and DC power supply allows simple wiring installation.
Multiple rogowski coils can be powered by one AC/DC power supply.
※ Choose JRF-MOI-PUC if you require ties for fixing to the conductor

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

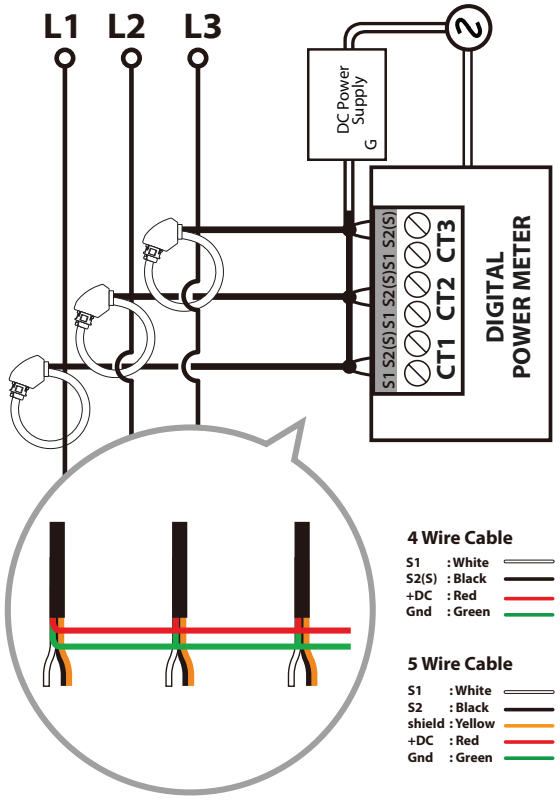
FEATURES

- AC current probe
- Flexible and lightweight
- Easy & quick installation on uninterruptible power lines
- Insulation CATⅢ 1,000V AC, Ⅳ 600V AC.
- Accuracy Class 0.5/1.0 complying with IEC61869-2, ANSI C57.13
- In progress of certification for & CE complying with IEC61010-1
- IP65, IP67, IP68 (International Protection code)
- Several size are available from coil length from 285 to 385mm (aperture from 80 to 115 mm)

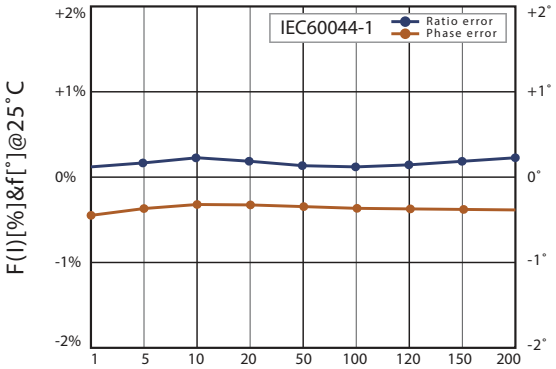
SPECIFICATION

Model	JRF MOI XXXPU-80	JRF MOI XXXPU-115
Current Range	250 Amp to 6,000 Amp	
Rated Currents	250, 300, 400, 500, 600, 800, 1k, 1.2k, 1.5k, 2k, 2.4k, 2.5k, 3k, 4k, 5k, 6k	
Max Output	1.3VAC	
Accuracy	<1% typical at 2% to 120% of rated current	
Rated Output Voltage	333 mV AC	
Power Requirement	+24V DC, ±5%, 70mA Maximum	
Phase Shift	<0.5° at rated current	
Frequency	50/60Hz	
Linearity	±0.2%	
Conductor Position Sensitivity	±1% maximum	
Influence of External Fields	±1.5% maximum	
Operating Temperature Range	-25°C ~ +65°C	
Coil length	From 285 to 385mm	
Connection Cable Type	4 x AWG24	
Connection Cable length	on request	

OUTDOOR POWER & INDOOR POWER LOAD

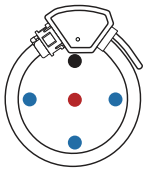


RATIO & PHASE ERROR GRAPH



Rated Current : 1000A@60Hz

POSITIONING ERROR



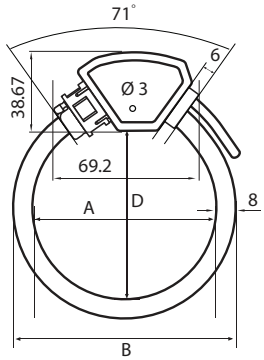
Conductor Position	Typical Error(%)
Adjacent to the coil edge	< 0.5%
Adjacent to the clip together mechanism	< 0.5%
Central in the Rogowski loop	0.1%

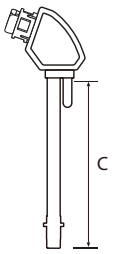
Note that with a larger conductor the variation of error with conductor position will decrease and approach the calibrated value.

AC/DC POWER SUPPLY

Models	Application	AC Input Voltage (Nominal)	Nominal Weight
FWA020012A-10B	Desktop power supply, For up to 24 pcs JRF-MOI xxxPU Conditioning Circuits	85-264 Vac (100-240)@1.67 amps	11.5 oz (326 grams)
MDR-10-12	DIN-rail power supply, For up to 12 pcs JRF-MOI xxxPU Conditioning Circuits	85-264 Vac (100-240)@0.84amps	6 oz (170 grams)

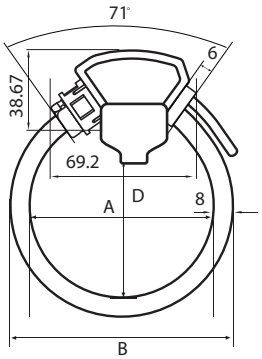
DIMENSIONS (CHOOSE JRF-MOI-PUC IF YOU REQUIRE TIES FOR ATTACHING TO THE CONDUCTOR)

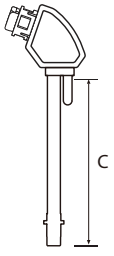




* Unit : mm

Model	A	B	C	D
JRF MOI xxxPU-80	80	96	285	80
JRF MOI xxxPU-115	115	131	385	115

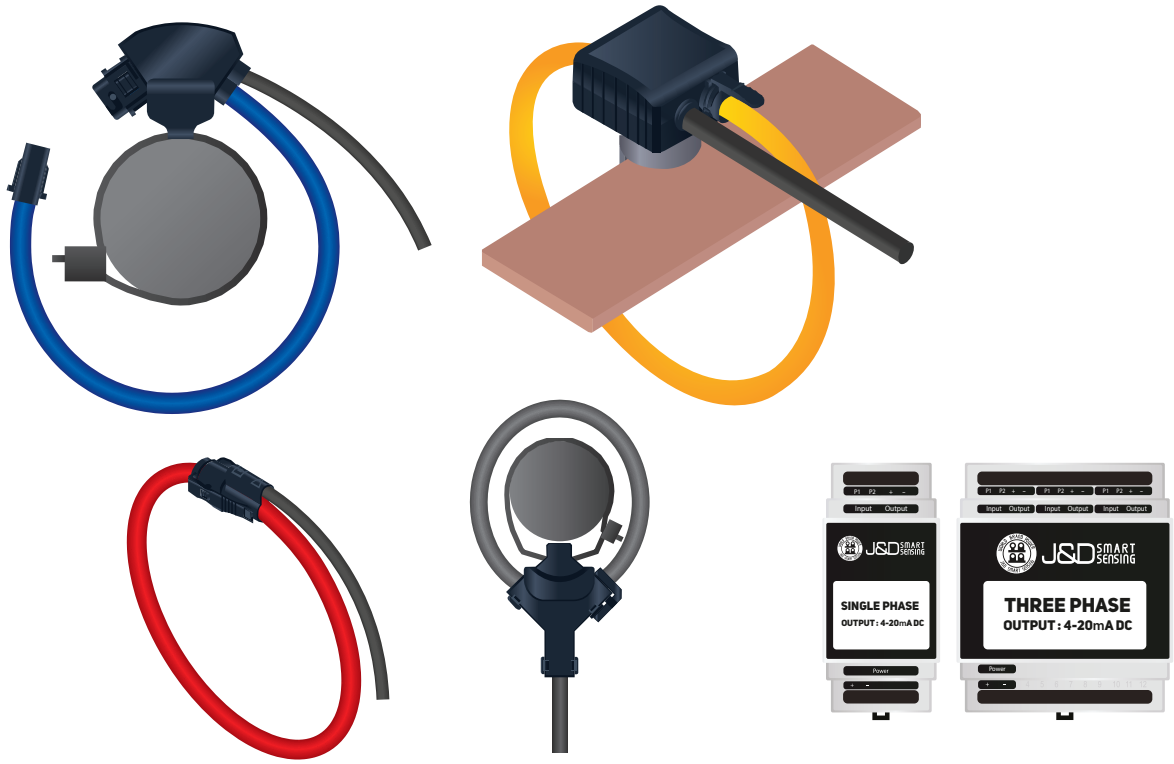




* Unit : mm

Model	A	B	C	D
JRF MOI xxxPUC-80	80	96	285	70
JRF MOI xxxPUC-115	115	131	385	105

PRECISION CLAMP ON FLEXIBLE ROGOWSKI COIL CURRENT TRANSDUCER



J&D Rogowski coil current transducer is suitable for primary ranges from 250 to 6,000A AC with 4-20mA and 0-5V DC secondary. It improves both conductor positioning error and influence by external magnetic field. As split clip flexible outfit, it can be easily installed even at limited space without cutting power line. Main applications are Protection systems monitoring, Condition monitoring, Process / Control monitoring for PLCs and SCADA software, and etc.

*** Indoor / Outdoor**

Inner Diameter(mm)	35, 55, 75, 80, 105, 115, 120, 170, 180, 190, 295, 300, 305
Current Range	250 to 6,000A AC
Secondary Output	• 4-20mA, 0-5V DC

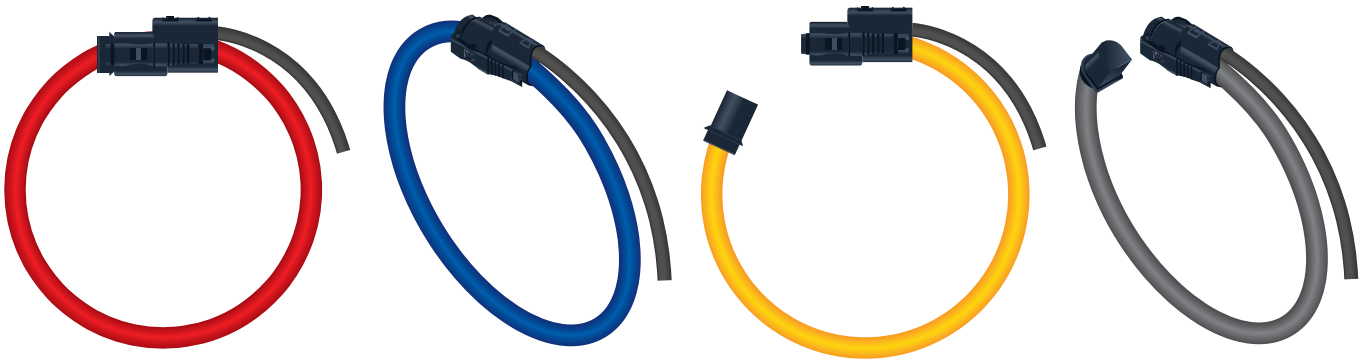
- Insulation CATⅢ 1000V, CATⅣ 600V AC
- Certificated for UL & CE complying with IEC61010-1

CONTENTS

PRECISION CLAMP ON FLEXIBLE ROGOWSKI COIL CURRENT TRANSDUCER

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXXS/A(X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of wide AC current, pulsed DC or distorted waveforms. It may be used to measure AC current over a wide dynamic range and from 10Hz to 20kHz.

APPLICATIONS

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in eletronic Watt-hour meter

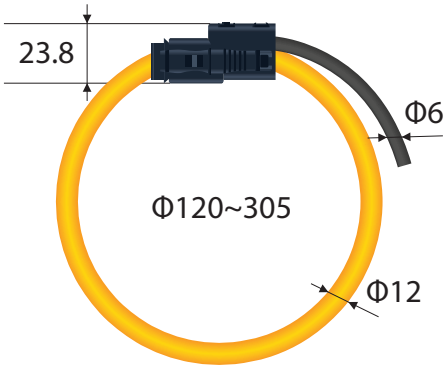
FEATURES

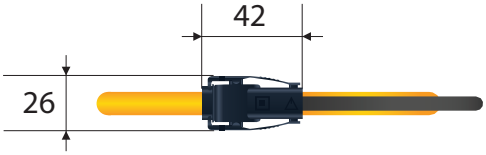
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Available shielding type on request
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0

SPECIFICATION

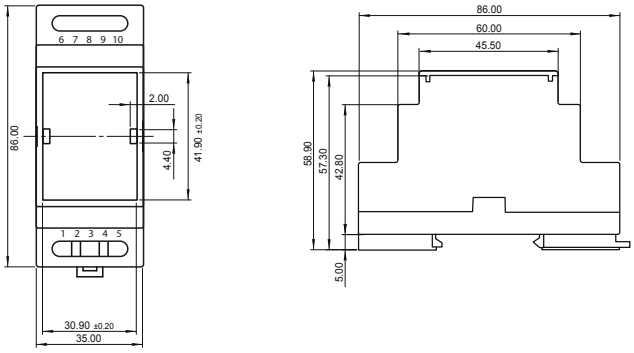
Model		JRFS-120X	JRFS-190X	JRFS-305X
Rated Current		500A ~ 2kA	1kA ~ 4kA	2kA ~ 6kA
Output Voltage	A Type	100mV(50Hz) [120mV(60Hz)] 1kA		
	S Type	333mV(50Hz) [399.6mV(60Hz)] 1kA		
Accuracy		< 1%		
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)		
Frequency Range		10Hz to 20kHz		
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)		
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)		
Linearity (10% to 100% of range)		±0.2% of reading		
Conductor Position Sensitivity		±2% maximum		
Influence of External Field		±2% maximum		
Working Temp.		-30˚C ~ + 60˚C		
Storage Temp.		-40˚C ~ + 60˚C		
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)		
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032		
Testing Voltage		7400V/1min		

DIMENSIONS





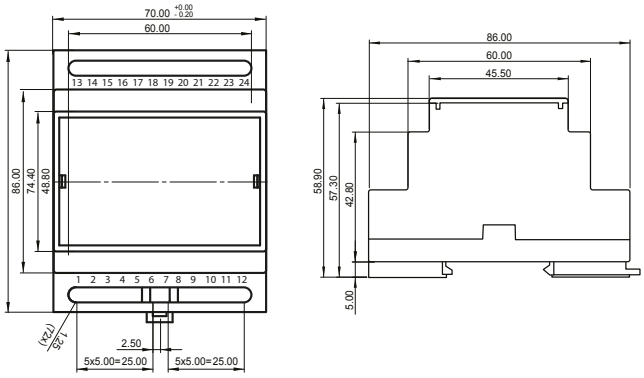
OPTION : INTERGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

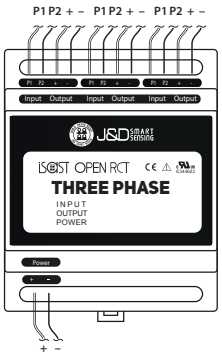
Output : 4-20mADC / 0-5VDC

Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

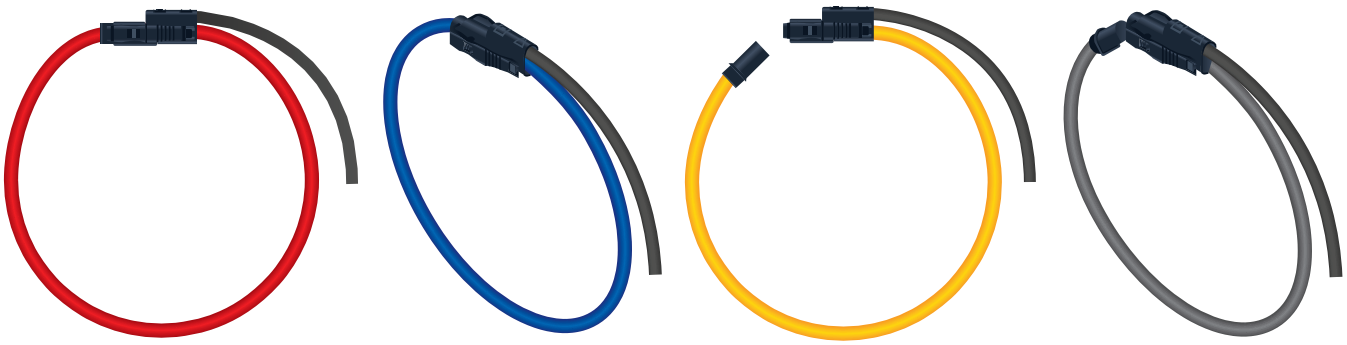
Output : 4-20mADC / 0-5VDC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX(X-XXX) Series



J&D's new Micro-accuracy flexible rogowski coil measures even sensitive error to use special magnetic winding technology with small size. It is very effective for small sized AC measuring utility since it reduces chronically affected errors on existed Rogowski coil by conductor's position.

APPLICATIONS

- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

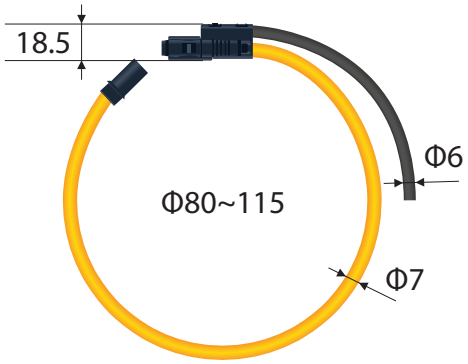
FEATURES

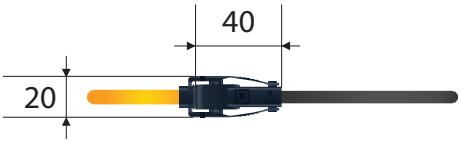
- Ø80, Ø115mm sensing aperture for non-contact measurement
- Very low position sensitivity
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94 -V0

SPECIFICATION

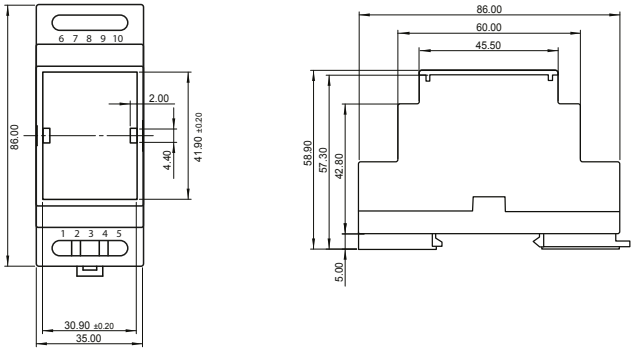
Model	JRFS-080	JRFS-115
Rated Current	1kA	1kA ~ 2kA
Output Voltage	104mV AC/1kA@50Hz 124.8mV AC/1kA@60Hz	136mV AC/2kA@50Hz 163.2mV AC/2kA@60Hz
Accuracy	< 1%	
Phase Shift	< 1° at 50/60Hz (typical < 0.5°)	
Frequency Range	10Hz to 20kHz	
Output Sensitivity Tolerance	±10% maximum(Uncalibrated)	
Output Sensitivity Tolerance	±0.5% of reading at 25°C (Calibrated)	
Linearity (10% to 100% of range)	±0.2% of reading	
Conductor Position Sensitivity	±2% maximum	
Influence of External Field	±2% maximum	
Working Temp.	-30˚C ~ + 60˚C	
Storage Temp.	-40˚C ~ + 60˚C	
Insulation Category	CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)	
Safety Standards	EN/UL/cUL 61010-1, 61010-2-032	
Testing Voltage	7400V/1min	

DIMENSIONS





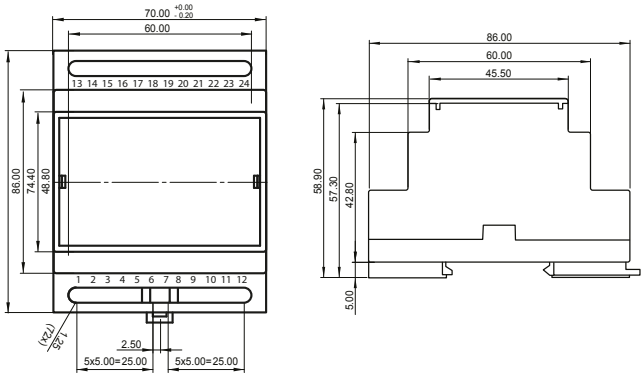
OPTION : INTERGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

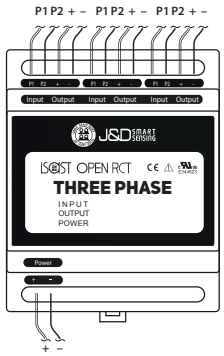
Output : 4-20mADC / 0-5VDC

Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

Output : 4-20mADC / 0-5VDC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXXY(X-XXX) Series

J&D's new Micro-accuracy flexible rogowski coil measures even sensitive error to use special magnetic winding technology with small size. It is very effective for small sized AC measuring utility since it reduces chronically affected errors on existed Rogowski coil by conductor's position.

APPLICATIONS

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in eletronic Watt-hour meter

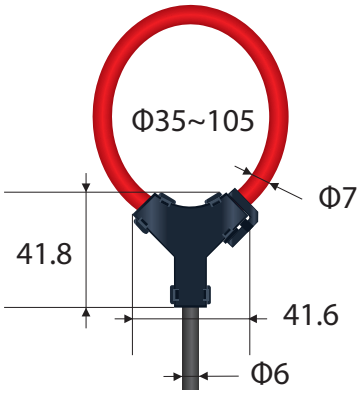
FEATURES

- Ø35 / Ø55 / Ø80 / Ø105mm sensing aperture for non-contact measurement
- Very low position sensitivity
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0

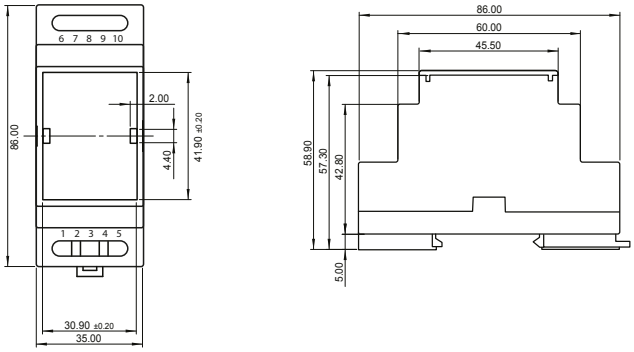
SPECIFICATION

Model	JRFS-035Y	JRFS-055Y	JRFS-080Y	JRFS-105Y
Current Ratio	250A ~ 500A	250A ~ 500A	250A ~ 1kA	1kA ~2kA
Output Voltage	48mV AC/500A@50Hz 57.6mV AC/500A@60Hz	50mV AC/500A@50Hz 60mV AC/500A@60Hz	104mV AC/1000A@50Hz 124.8mV AC/1000A@60Hz	208mV AC/2000A@50Hz 249.6mV AC/2000A@60Hz
Accuracy	< 1%			
Phase Shift	< 1° at 50/60Hz (typical < 0.5°)			
Frequency Range	10Hz to 20kHz			
Output Sensitivity Tolerance	±10% maximum(Uncalibrated)			
Output Sensitivity Tolerance	±0.5% of reading at 25°C (Calibrated)			
Linearity (10% to 100% of range)	±0.2% of reading			
Conductor Position Sensitivity	±2% maximum			
Influence of External Field	±2% maximum			
Working Temp.	-30˚C ~ + 60˚C			
Storage Temp.	-40˚C ~ + 60˚C			
Insulation Category	CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)			
Safety Standards	EN/UL/cUL 61010-1, 61010-2-032			
Testing Voltage	7400V/1min			

DIMENSIONS



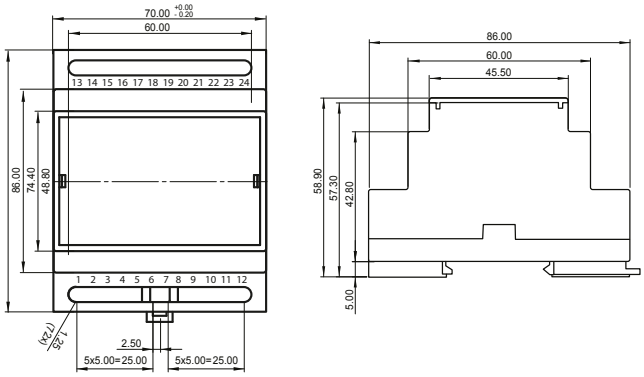
OPTION : INTERGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

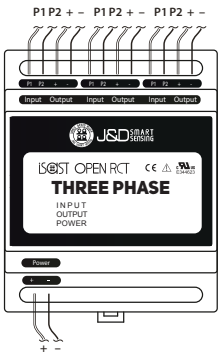
Output : 4-20mADC / 0-5VDC

Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

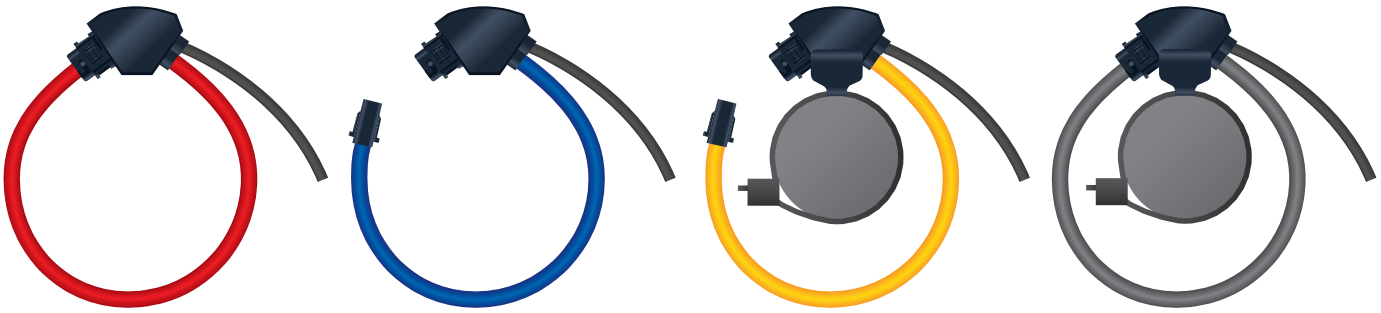
Output : 4-20mADC / 0-5VDC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX-M/P (X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transducer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRFS-XXX-M/P/R/U (X-XXX) series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

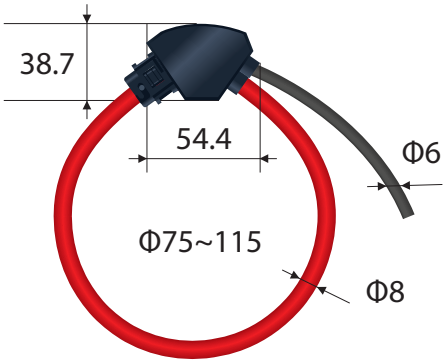
FEATURES

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Certificated for UL & CE complying with IEC 61010-1
- Optional size is available from ID 75 to 115mm. (ex. ID 80mm)

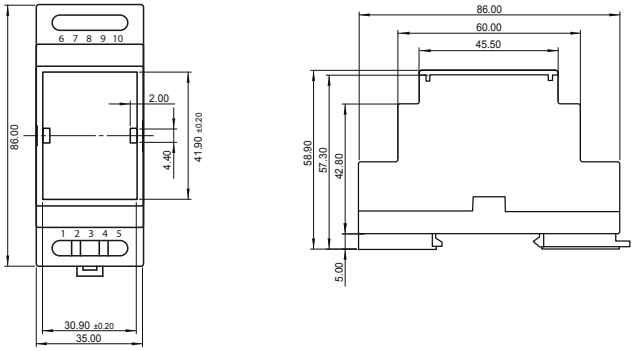
SPECIFICATION

Model		JRFS-080X JRFS-075X	JRFS-115X JRFS-105X
Rated Current		250A ~ 1kA	1kA ~ 2kA
Output Voltage	M Type	104mV(50Hz) [124.8mV(60Hz)] 1kA	
	P Type	35mV(50Hz) [42mV(60Hz)]1kA	
Accuracy		< 1%	
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)	
Frequency Range		10Hz to 20kHz	
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)	
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)	
Linearity (10% to 100% of range)		±0.2% of reading	
Conductor Position Sensitivity		±2% maximum	
Influence of External Field		±2% maximum	
Working Temp.		-30˚C ~ + 60˚C	
Storage Temp.		-40˚C ~ + 60˚C	
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)	
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032	
Testing Voltage		7400V/1min	

DIMENSIONS



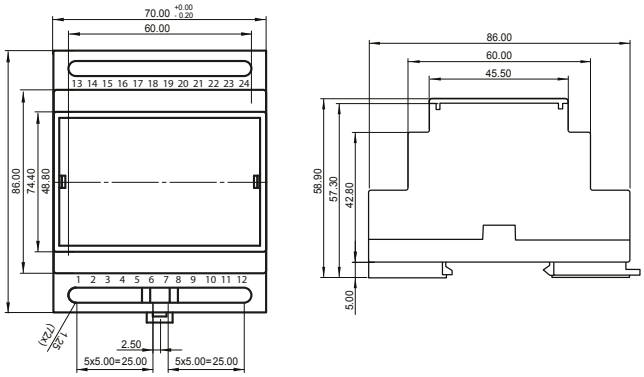
OPTION : INTERGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

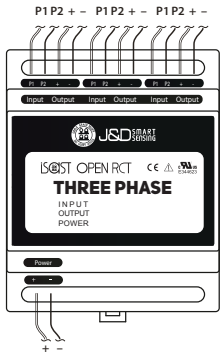
Output : 4-20mADC / 0-5VDC

Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

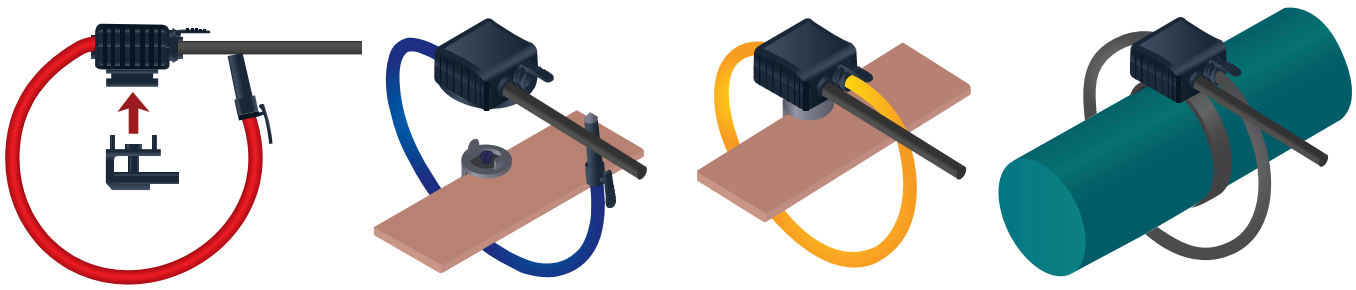
Output : 4-20mADC / 0-5VDC



Power supply : 24V DC

Precision Clamp on Flexible Rogowski coil CT

JRFS-XXX-R/U (X-XXX) Series



Clamp-on Flexible Rogowski coil Current Transducer has been designed for accurate measurement of AC current with a safe output voltage RMS. JRFS-XXX-R/U (X-XXX) series is the precision current probe for Revenue-Grade Distribution transformer monitoring. With voltage integrator configuration, it can replace the existing CT directly.

APPLICATIONS

- Revenue-Grade distribution transformer monitoring
- Energy sub-meters
- Power meters
- Power quality monitoring
- Condition monitoring
- Distributed measurement systems

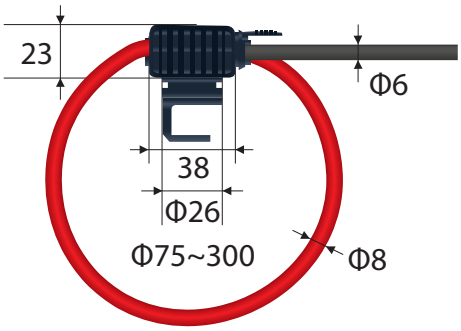
FEATURES

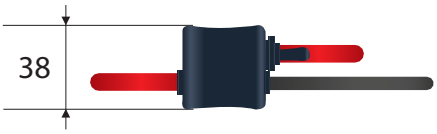
- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Insulation CATⅢ 1000V, Ⅳ 600V
- Certificated for UL & CE complying with IEC 61010-1
- Optional size is available from ID 75 to 300mm. (ex. ID 80mm)

SPECIFICATION

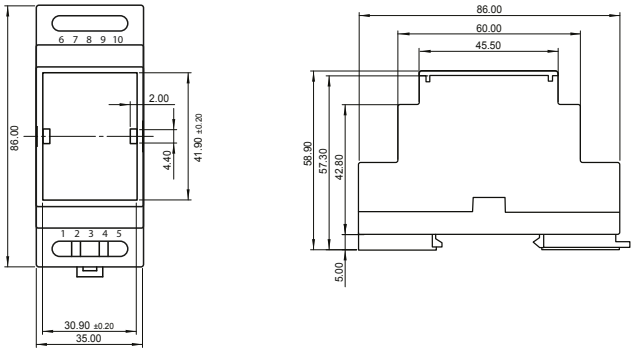
Model		JRFS-080X JRFS-075X	JRFS-115X JRFS-105X	JRFS-180X JRFS-170X	JRFS-300X JRFS-295X
Rated Current		500A ~ 6kA			
Output Voltage	R Type	104mV(50Hz) [124.8mV(60Hz)] 1kA			
	U Type	35mV(50Hz) [42mV(60Hz)]1kA			
Accuracy		< 1%			
Phase Shift		< 1° at 50/60Hz (typical < 0.5°)			
Frequency Range		10Hz to 20kHz			
Output Sensitivity Tolerance		±10% maximum(Uncalibrated)			
Output Sensitivity Tolerance		±0.5% of reading at 25°C (Calibrated)			
Linearity (10% to 100% of range)		±0.2% of reading			
Conductor Position Sensitivity		±2% maximum			
Influence of External Field		±2% maximum			
Working Temp.		-30˚C ~ + 80˚C			
Storage Temp.		-40˚C ~ + 80˚C			
Insulation Category		CATⅢ 1000V / CATⅣ 600V (PD2-Double Insulation)			
Safety Standards		EN/UL/cUL 61010-1, 61010-2-032			
Testing Voltage		7400V/1min			

DIMENSIONS





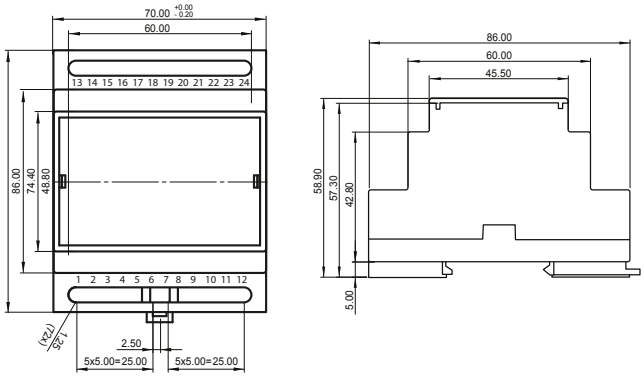
OPTION : INTERGRATOR S/T-XXX SERIES



S Series Output : 4-20mADC / 0-5VDC

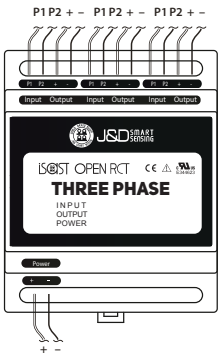
Output : 4-20mADC / 0-5VDC

Power supply : 24V DC



T Series Output : 4-20mADC / 0-5VDC

Output : 4-20mADC / 0-5VDC



Power supply : 24V DC