

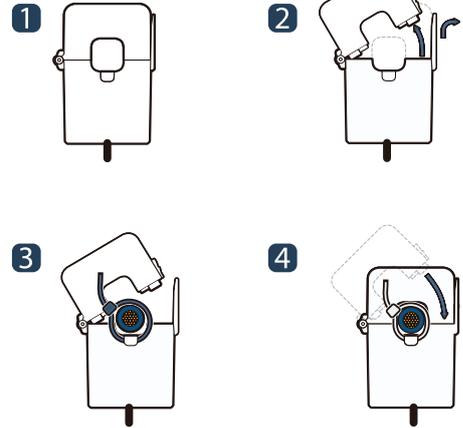


SPLIT-CORE CURRENT TRANSFORMER

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 000 333 mV

Model JS10NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV

333 mV

How to Order / Model Reference

eg JS16NL 000 333 mV

Model JS16NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV

333 mV

How to Order / Model Reference

eg JS24NL 000 333 mV

Model JS24NL

Primary Current

Select code from ratio table

Secondary Voltage

333mV

333 mV

Current Transformer Ratios

| Primary Current (A) | Metering Burden(VA) | | | Code |
|---------------------|---------------------|----------|-------|------|
| | cl. 0.25 | cl. 0.55 | cl. 1 | |
| 5 | cl. 0.3 | cl. 0.6 | 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 I_n

Current Transformer Ratios

| Primary Current (A) | Metering Burden(VA) | | | Code |
|---------------------|---------------------|----------|-------|------|
| | cl. 0.25 | cl. 0.55 | cl. 1 | |
| 70 | cl. 0.3 | cl. 0.6 | 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 I_n

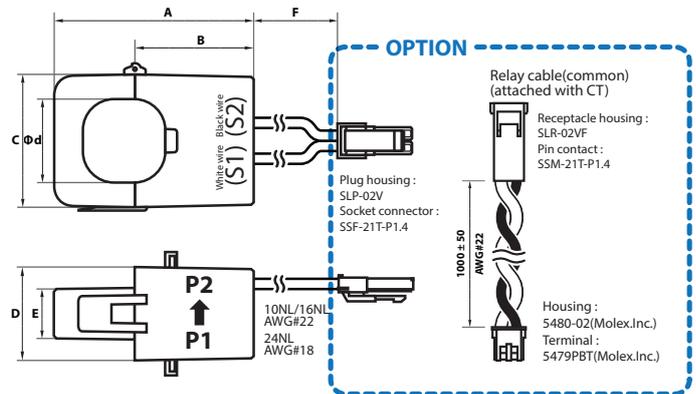
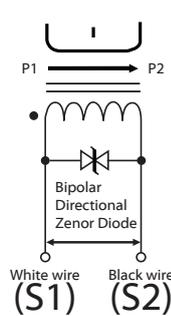
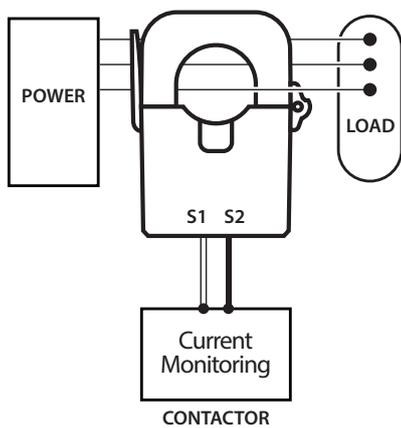
Current Transformer Ratios

| Primary Current (A) | Metering Burden(VA) | | | Code |
|---------------------|---------------------|----------|-------|------|
| | cl. 0.25 | cl. 0.55 | cl. 1 | |
| 5 | cl. 0.3 | cl. 0.6 | 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 I_n

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 |