

3-PHASE CURRENT TRANSMITTER

Three-channel isolated current measurement in one compact housing

APERTURE: 10 / 20 mm

3

PHASE INPUTS

0.2%

BEST ACCURACY

3 kV

ISOLATION



Representative product image

Key capabilities

Factory-configurable input and output

1

Multiple rated currents

5 / 10 / 20 / 50 / 100 / 200 / 400 / 500 A per phase

2

Flexible outputs

0-5 V, 0-10 V, 0-20 mA, 4-20 mA or RS485

3

Industrial supply options

12 / 15 / 24 VDC or 220 VAC, configured at factory

4

Fast measurement

Follower output below 1 ms; DC transmission below 250 ms

SELECTION NOTE

For an 8 mm aperture, the maximum available rated current is 60 A. For 100 A or higher, select the 10 mm or 20 mm aperture version.

● Performance specifications

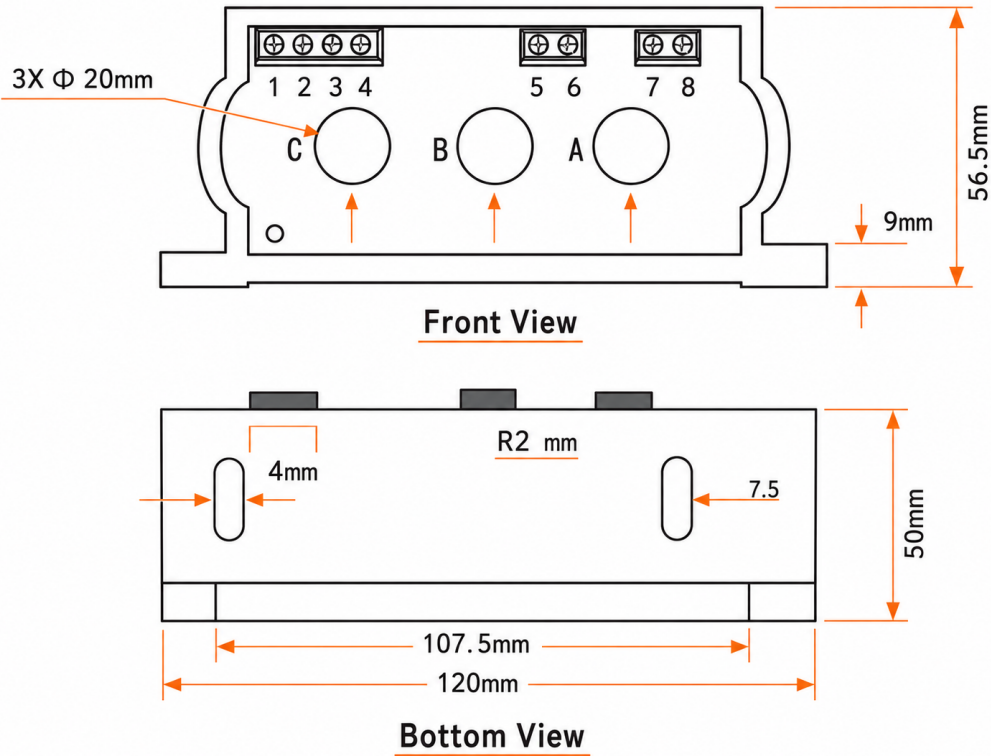
Values subject to selected configuration

PARAMETER	SPECIFICATION
Installation	Flat mounting with screws
Rated primary current	3 x 5 A; 10 A; 20 A; 50 A; 100 A; 200 A; 400 A; 500 A; custom
Rated output	3 x 5 V; 3 x 10 V; 3 x 0-20 mA; 3 x 4-20 mA; RS485; custom
Power supply	12 VDC; 15 VDC; 24 VDC; 220 VAC; custom
Accuracy	0.2% or 0.5%
Linearity	0.1%
Bandwidth	20 Hz to 5 kHz
Overload capacity	10 times nominal input
Isolation withstand	3 kV / 50 Hz, 2 mA, 1 minute
Response time	Follower output <1 ms; DC transmission output <250 ms
Offset voltage	<=10 mV
Temperature drift	<=100 ppm/deg C
Operating temperature	-20 to +80 deg C
Storage temperature	-25 to +85 deg C
Current consumption	<15 mA plus output current
Output load capability	Voltage output: 5 mA; current output: 6 V load voltage

IMPORTANT Input range, output type and supply voltage must be confirmed before ordering.

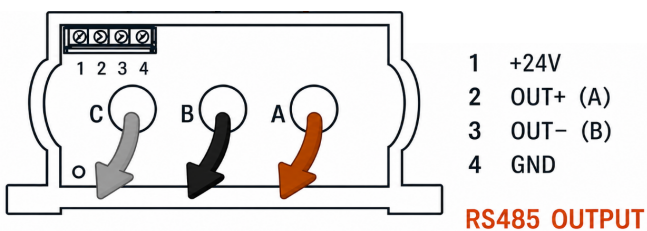
● Mechanical dimensions

Reference drawing - dimensions in mm



● RS485 terminal wiring

Applicable to RS485 output version



INSTALLATION SEQUENCE

1. Pass phase conductors A, B and C through the matching apertures.
2. Observe the current direction marked on the housing.
3. Connect the configured supply and output terminals.
4. For RS485, use a twisted pair and keep polarity A/B consistent.

ORDERING CHECKLIST

Aperture | Rated current per phase | Output | Power supply

Confirm all four items before production to prevent a configuration mismatch.