Data Sheet | Item Number: 855-4209/100-001

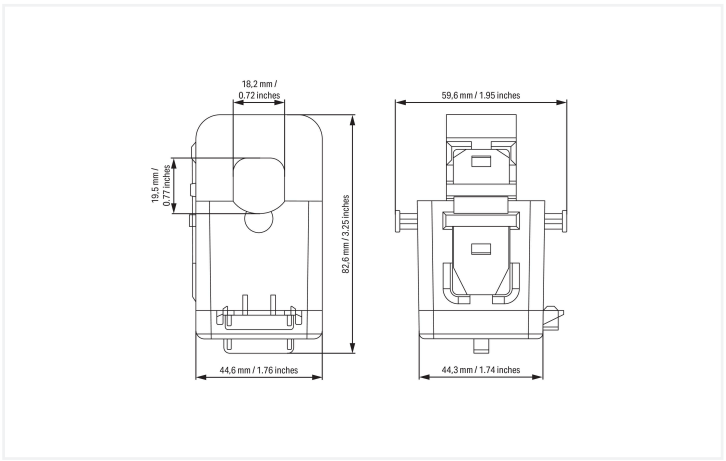
Split-core current transformer; Primary rated current: 100 A; Voltage output signal 333 mV; Accuracy class: 1; Secondary connection with lever

https://www.wago.com/855-4209/100-001





Similar to illustration



Short description:

The new split-core current transformers feature robust housings made from flame-retardant polyamide. The click-off hinge allows for complete removal of the top part, making installation easier even in difficult and tight spaces. Thanks to the integrated WAGO 221 Series Inline Splicing Connector with Levers, the new transformers are suitable for direct, tool-free connection of both solid and fine-stranded conductors and offer additional time savings. The integrated short-circuit bridge, which can be plugged into two positions (short-circuit position and storage position), ensures safe installation, commissioning and maintenance. The user can configure the connection cable themselves, allowing them to individually select the cross-section, length and other specifications. The new series covers primary rated currents from a maximum of 60 to 250 A and is also available with 1 A, 5 A and a transformation ratio of 333 mV. A sophisticated spring system ensures constant contact pressure on the core halves, providing years of consistent and accurate measurements.

Technical data

Input

Measured variable	Current

Input – current transformer

Rated continuous thermal current I_{cth}	100 %
Rated short-time thermal current I_{th}	60 x I_N / 1 s
Rated surge current I_{dyn}	2.5 x I_{th}
Rated frequency	50 … 60 Hz
Primary rated current	100 A

Output – current transformer

Output signal (voltage)	333 mV

Measurement Error

Accuracy class	1

Safety and protection

Protection type	IP20
Test voltage	6 kVAC; 50 Hz; 1 min
Highest voltage for equipment U_m	720 V_{rms}AC

Connection Data

Feedthrough for measurement conductor	Ø 18 mm

Connection 2

Connection type	Secondary
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 221-2411
Actuation type	Lever
Strip length	11 mm / 0.43 inches
Solid conductor	0.2 … 4 mm² / 20 … 14 AWG
Fine-stranded conductor	0.2 … 4 mm² / 18 … 14 AWG

Physical data

Width	59.6 mm / 1.95 inches
Height	82.6 mm / 3.25 inches
Depth	44.6 mm / 1.76 inches

Mechanical data

Mounting type	Split-core current transformer (suspended)

Material data

Weight	285 g

Environmental requirements

Ambient temperature (operation)	-10 … +55 °C
Ambient temperature (storage)	-20 … +70 °C
Relative humidity	5 … 85 % (without condensation)
Operating altitude (max.)	2000 m

Standards and Specifications

Conformity marking	CE
Standards/specifications	EN 61869-1 EN 61869-2

Continued on next page

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CZ
Customs tariff number	85043129900

Product Classification

UNSPSC	39121008
ETIM 9.0	EC002048
ETIM 10.0	EC002048
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-4209/100-001	

Documentation

Instruction Leaflet

Kabelumbau-Stromwandler	V 1.0.0 11.07.2024	pdf 1020.10 KB	

Engineering-Software

Configuration and Commissioning Software

WAGO Interface Configuration Software SMALL	1.6.3.7 17.09.2019	exe 46878.36 KB	

Continued on next page

1 Compatible Products

1.1 Optional Accessories

1.1.1 Signal conditioner

1.1.1.1 Current Signal Conditioner



Item No.: 857-551
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width



Item No.: 857-550
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm²

1.1.1.2 Power Measurement Module



Item No.: 2857-570/024-009
3-Phase Power Measurement Module; 3x277/480 V / LVCT 333 mV; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC; Module width: 70 mm

Installation Notes

Installation



Simple termination!



Quick and easy mounting!

