# Data Sheet | Item Number: 855-4209/200-001

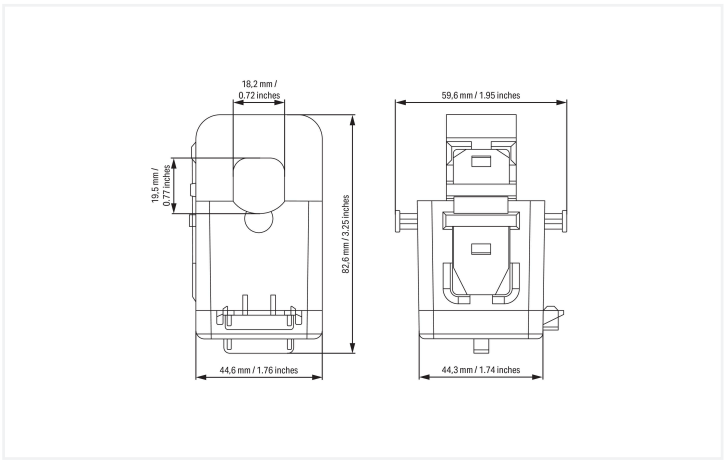
Split-core current transformer; Primary rated current: 200 A; Voltage output signal 333 mV; Accuracy class: 1; Secondary connection with lever

https://www.wago.com/855-4209/200-001





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 | 200 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<br>EN 61869-2 |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## 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<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

| | |
|---|---|
| Environmental Product Compliance<br>855-4209/200-001 | |

### Documentation

**Instruction Leaflet**

| | | | |
|---|---|---|---|
| Kabelumbau-Stromwandler | V 1.0.0<br>11.07.2024 | pdf<br>1020.10 KB | |

## Engineering-Software

**Configuration and Commissioning Software**

| | | | |
|---|---|---|---|
| WAGO Interface Configuration Software SMALL | 1.6.3.7<br>17.09.2019 | exe<br>46878.36 KB | |


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## 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!

