

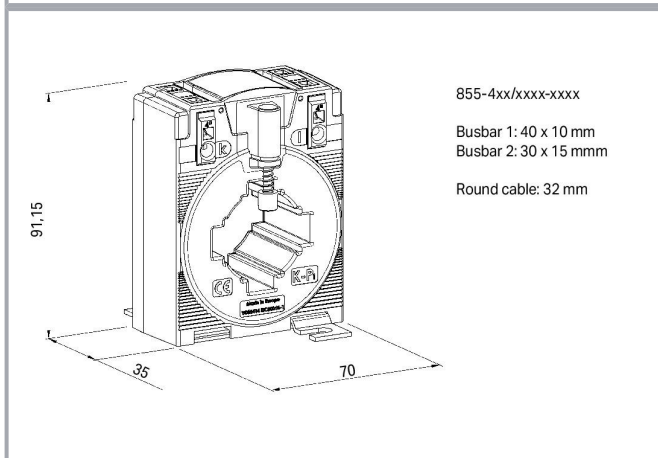
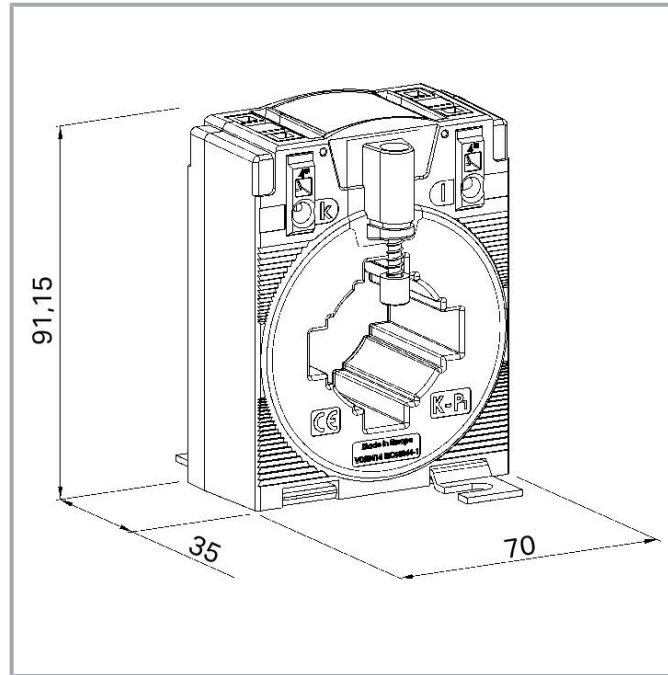
## Data sheet | Item number: 855-405/250-209

Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; for billing purposes

[www.wago.com/855-405\\_250-209](http://www.wago.com/855-405_250-209)



 Picture differs from the item.



### Item description

#### Kurzbeschreibung:

Aufsteck-Stromwandler für die Verrechnungs-Messung der Serie 855 sind induktive, nach dem Trafo-Prinzip arbeitende, 1-Leiter-Stromwandler. Aufgrund des angewendeten Messprinzips eignen sich Stromwandler dieses Typs zur ausschließlichen Verwendung in Wechselstromnetzen.

Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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Die Aufsteck-Stromwandler entsprechen dem Modul D des Konformitätsbewertungsverfahrens und können für Verrechnungszwecke eingesetzt werden

#### Merkmale:

- Schraubenlose Anschlusstechnik mit CAGE-CLAMP®-Anschluss
- Verschiedene Montagemöglichkeiten
- Schockfest und rüttelsicher
- Hohe mechanische Haltekräfte
- Hohe Stromfestigkeit
- Ständig mit 120 % des primären Nennstroms überlastbar
- Niederspannungsstromwandler für Betriebsspannungen bis max. 1,2 kV
- Einsatz in 690 V-Netzen
- Zubehör: 879-3040; Energiezähler; mit Push-in CAGE CLAMP® und Hebel; Wandleranschluss (2PCT)

## Data

### Technical data

#### Input – current transformer

|                                            |                                                         |
|--------------------------------------------|---------------------------------------------------------|
| Primary rated current                      | 250 A                                                   |
| Rated continuous thermal current $I_{cth}$ | $1.2 \times I_N$ (AC)                                   |
| Rated short-time thermal current $I_{th}$  | $60 \times I_N / 1 \text{ s}$ (max. 100 kA / 1 s)       |
| Overcurrent limiting factor                | FS5 / FS10 (type dependent; see type plate inscription) |
| Rated frequency                            | 50 ... 60 Hz                                            |

#### Output – current transformer

|                         |        |
|-------------------------|--------|
| Secondary rated current | 5 A    |
| Rated power $S_r$       | 2.5 VA |

#### Measurement error

|                |     |
|----------------|-----|
| Accuracy class | 0.5 |
|----------------|-----|

#### Safety and protection

|                                     |                          |
|-------------------------------------|--------------------------|
| Highest voltage for equipment $U_m$ | AC 1.2 kV <sub>rms</sub> |
|-------------------------------------|--------------------------|

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## Test voltage

|              |                       |
|--------------|-----------------------|
| Test voltage | AC 6 kV; 50 Hz; 1 min |
|--------------|-----------------------|

## Connection data

|                         |                                  |
|-------------------------|----------------------------------|
| Connection technology   | CAGE CLAMP®                      |
| Solid conductor         | 0.08 ... 4 mm² / 28 ... 12 AWG   |
| Fine-stranded conductor | 0.08 ... 4 mm² / 28 ... 12 AWG   |
| Strip length            | 9 ... 10 mm / 0.35 ... 0.39 inch |

## Physical data

|        |                       |
|--------|-----------------------|
| Width  | 70 mm / 2.756 inch    |
| Height | 91.15 mm / 3.589 inch |
| Depth  | 52 mm / 2.047 inch    |

## Mechanical data

|               |                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Mounting type | Closed current transformer<br>Installation on mounting plate<br>Mounting on DIN-rail via DIN-rail adapter<br>Mounting on round cable |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------|

## Material data

|                  |       |
|------------------|-------|
| Insulation class | E     |
| Weight           | 280 g |

## Environmental requirements

|                                         |               |
|-----------------------------------------|---------------|
| Surrounding air temperature (operation) | -5 ... 50 °C  |
| Surrounding air temperature (storage)   | -25 ... 70 °C |
| Operating altitude (max.)               | 1000 m        |

## Standards and specifications

|                          |                          |
|--------------------------|--------------------------|
| Conformity marking       | CE                       |
| Standards/Specifications | EN 61869-1<br>EN 61869-2 |

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## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4055144041484 |
| Customs tariff number | 8504312000    |

## Optional accessories

### Mounting

|                                                                                 |                                                                                                                         |                                                                  |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 855-9900</b><br>Carrier rail adapter for plug-in transformers; for 855-3xx/xxxx-xxxx and 855-4xx/xxxx-xxxx | <a href="http://www.wago.com/855-9900">www.wago.com/855-9900</a> |
|  | <b>Item no.: 855-9910</b><br>Quick-mount kit                                                                            | <a href="http://www.wago.com/855-9910">www.wago.com/855-9910</a> |

### Tools

|                                                                                  |                                                                                                                  |                                                                |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

### General accessories

|                                                                                    |                                                                                                                                                                                                        |                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|   | <b>Item no.: 2857-570/024-005</b><br>3-Phase Power Measurement Module; 3x400/690 V/5 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC                                 | <a href="http://www.wago.com/2857-570/024-005">www.wago.com/2857-570/024-005</a> |
|  | <b>Item no.: 857-550</b><br>JUMPFLEX® signal conditioner; current; 0 ... 1 A AC, 0 ... 5 A DC; configurable                                                                                            | <a href="http://www.wago.com/857-550">www.wago.com/857-550</a>                   |
|  | <b>Item no.: 857-551</b><br>Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width | <a href="http://www.wago.com/857-551">www.wago.com/857-551</a>                   |
|  | <b>Item no.: 857-569</b><br>JUMPFLEX® signal conditioner; power; configurable; with digital output                                                                                                     | <a href="http://www.wago.com/857-569">www.wago.com/857-569</a>                   |
|  | <b>Item no.: 879-3040</b><br>Energy Meter; Transformer Connection (6 A); 3 x 230/400 V; 50 Hz; MID; Modbus - M-Bus; 2 x interface; 2 DU                                                                | <a href="http://www.wago.com/879-3040">www.wago.com/879-3040</a>                 |

## Downloads

### Documentation

#### Bid Text

|                                |             |               |          |
|--------------------------------|-------------|---------------|----------|
| 855-405/250-209<br>X81 - Datei | Oct 5, 2020 | xml<br>6.2 kB | Download |
| 855-405/250-209                | Oct 5, 2020 | docx          | Download |

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 855-405/250-209

URL

Download

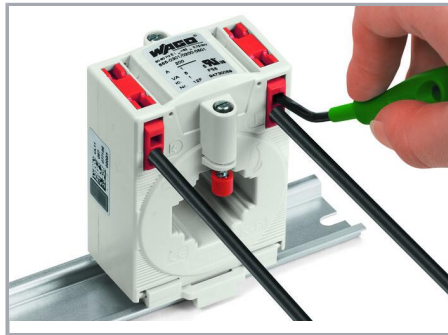
Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; for billing purposes

## Installation Notes

### Conductor termination

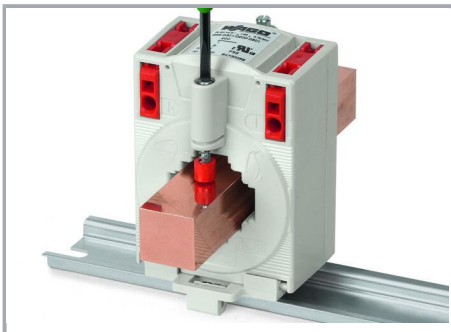


Conductor termination – screwdriver actuation perpendicular to conductor entry

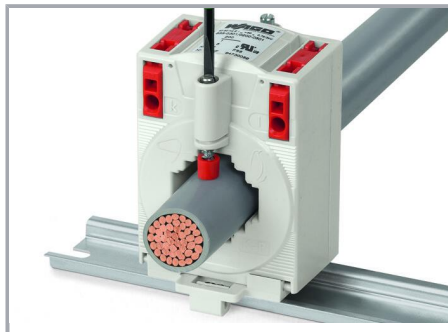


Conductor termination – screwdriver actuation parallel to conductor entry

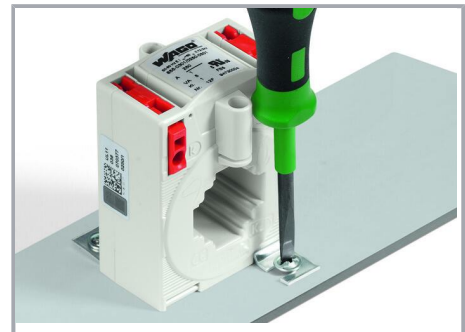
### Installation



Installation on copper current bar



Installation on round cable



Installation on mounting plate

Subject to changes. Please also observe the further product documentation!

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Mounting on DIN-rail via 855-9900 DIN-Rail Adapter



Installation via 855-9910 Quick-Mount Kit

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