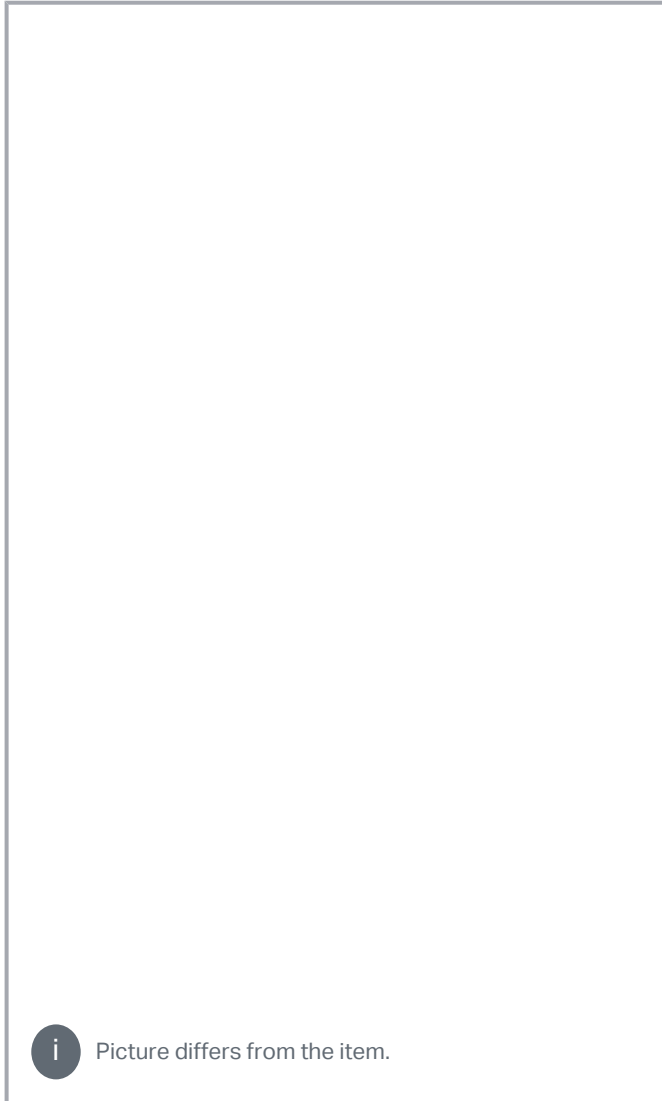


**Data sheet | Item number: 855-305/150-209**

Plug-in current transformer; Primary rated current: 150 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; for billing purposes

[www.wago.com/855-305/150-209](http://www.wago.com/855-305/150-209)



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

WAGO GmbH & Co. KG  
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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Item description

### Short description:

WAGO's plug-in current transformers for billing measurement (855 Series) are inductive, single-conductor current transformers. Due to the measurement principle used, these current transformers are exclusively designed for AC network applications.

WAGO's plug-in current transformers comply with the conformity assessment procedure (module D) and can be used for billing.

### Features:

- Screwless CAGE CLAMP<sup>®</sup> connection technology
- Several mounting options available
- Vibration- and shock-resistant
- High mechanical retention forces
- High current-carrying capacity
- Continuous overload of 120% the nominal primary current

—  
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- Low-voltage current transformer for operating voltages up to max. 1.2 kV
- For 690 V power networks
- Accessories: 879-3040; Energy Meter; with Push-in CAGE CLAMP® and lever; transformer connection (2PCT)

## Data

### Technical data

#### Input – current transformer

Primary rated current	150 A
Rated continuous thermal current $I_{cth}$	AC $1.2 \times I_N$
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
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#### 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
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#### Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

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



## Physical data

Width	60 mm / 2.362 inches
Height	80.9 mm / 3.185 inches
Depth	52 mm / 2.047 inches

## Mechanical data

Mounting type	Installation on round cable Closed current transformer Installation on mounting plate Mounting on DIN-rail via DIN-rail adapter Mounting on round cable
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## Material data

Insulation class	E
Weight	280 g

## Environmental requirements

Ambient 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 EN 61869-2

## Commercial data

ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 Pieces
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4055144041446
Customs tariff number VKOrg Germany	85043129900


## Approvals / Certificates

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

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## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02. B.00111 /19

## Optional accessories

## Mounting adapter

Fast connection adapter			
	<b>Item no.: 855-9910</b> Quick-mount kit		<a href="http://www.wago.com/855-9910">www.wago.com/855-9910</a>
DIN-rail adapter			
	<b>Item no.: 855-9900</b> Carrier rail adapter		<a href="http://www.wago.com/855-9900">www.wago.com/855-9900</a>

## Signal conditioner

Power measurement module			
	<b>Item no.: 2857-570/024-005</b> 3-Phase Power Measurement Module; 3x277/480 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>
Current signal conditioner			
	<b>Item no.: 857-550</b> 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 mm <sup>2</sup>		<a href="http://www.wago.com/857-550">www.wago.com/857-550</a>
	<b>Item no.: 857-569</b> Power signal conditioner; Current and voltage 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/857-569">www.wago.com/857-569</a>
	<b>Item no.: 857-551</b> 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>
Energy meter			
	<b>Item no.: 879-3040</b> Energy meter (MID); for transformer connection; 5 A; 3x230/400V; 50Hz; Modbus® & M-Bus; 2 x S0 interface; 2PU CT		<a href="http://www.wago.com/879-3040">www.wago.com/879-3040</a>

## Tool

Operating tool			
	<b>Item no.: 210-720</b> 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>

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

## Downloads Documentation

### Bid Text

855-305/150-209 doc - Datei	2020 年10月5日	docx 17.9 kB	Download
855-305/150-209 X81 - Datei	2020 年10月5日	xml 6.2 kB	Download

### Instruction Leaflet

Aufsteck-Stromwandler	pdf 1.5 MB	Download
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## Environmental Product Compliance

### Compliance Search

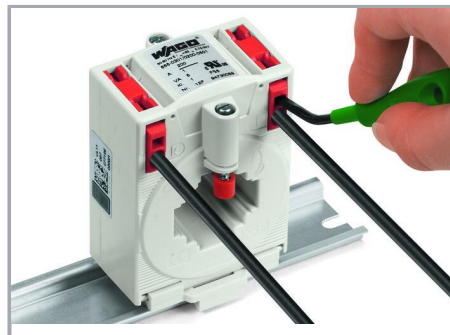
Environmental Product Compliance 855-305/150-209 Plug-in current transformer; Primary rated current: 150 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 0.5; for billing purposes	URL	Download
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## Installation Notes

### Conductor termination



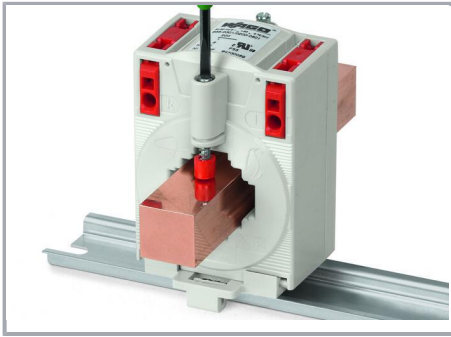
Conductor termination – screwdriver actuation perpendicular to conductor entry



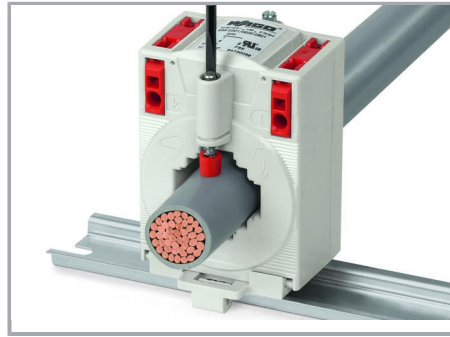
Conductor termination – screwdriver actuation parallel to conductor entry

### Installation

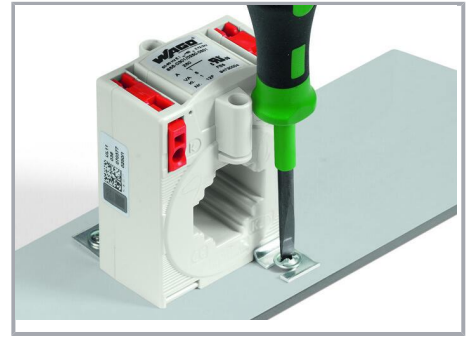
Subject to changes. Please also observe the further product documentation!



Installation on copper current bar



Installation on round cable



Installation on mounting plate



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



Installation via 855-9910 Quick-Mount Kit

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