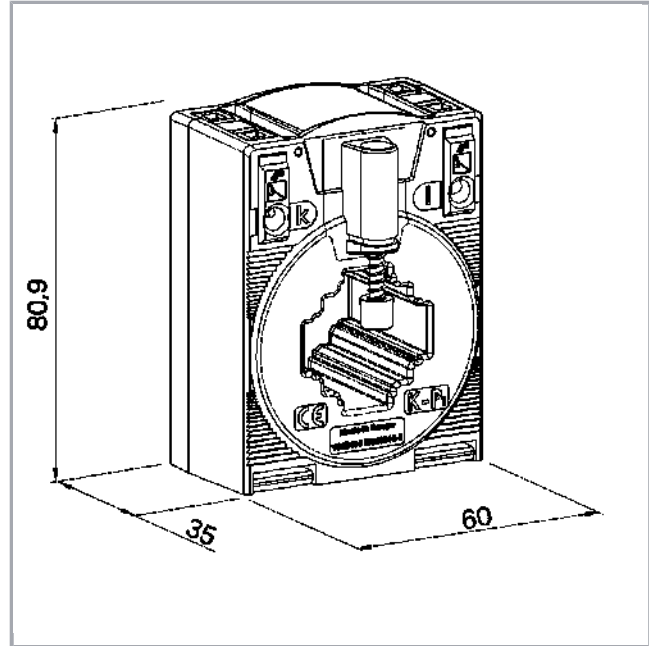
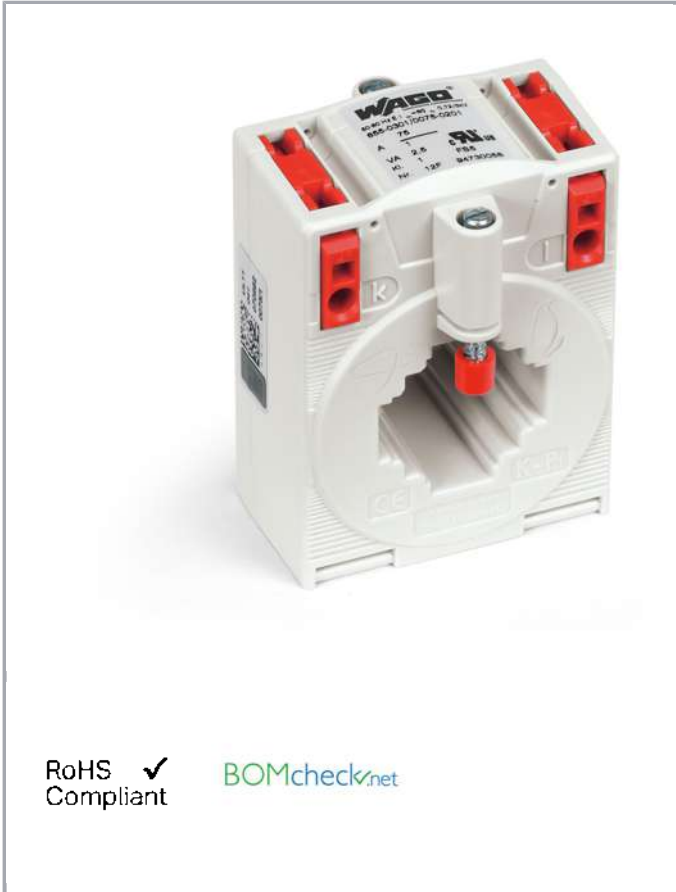


Data sheet | Item number: 855-305/400-1001

Plug-in current transformer; Primary rated current: 400 A; Secondary rated current: 5 A; Rated power: 10 VA; Accuracy class: 1



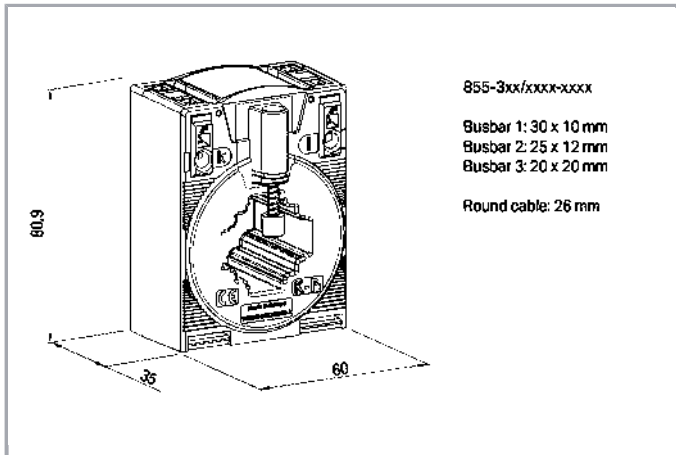
[www.wago.com/855-305\\_400-1001](http://www.wago.com/855-305_400-1001)



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

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## Item description

### Short description:

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

### Features:

- Screwless CAGE CLAMP® 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
- Low-voltage current transformer for operating voltages up to max. 1.2 kV
- For 690 V power networks
- UL recognized components

## Data

### Technical Data

#### Input – current transformer

Primary rated current	400 A
Rated continuous thermal current $I_{cth}$	$1.2 \times I_N$
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

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

## Output – Current transformer

Secondary rated current	5 A
Rated power $S_r$	10 VA

## Measurement error

Accuracy class	1
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## Safety and protection:

Highest voltage for equipment $U_m$	AC 1,2 kV <sub>rms</sub>
Test voltage	AC 6 kV; 50 Hz; 1 min

## 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 inch

## Geometrical Data

Width	60 mm / 2.362 inch
Height	80,9 mm / 3.185 inch
Depth	52 mm / 2.047 inch

## Mechanical data

Type of mounting	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	285 g

## Environmental Requirements

Surrounding air (operating) temperature	-5 ... 50 °C
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Subject to changes. Please also observe the further product documentation!

Surrounding air (storage) temperature	-25 ... 70 °C
Max. operating altitude	1000 m

## Standards and specifications


Conformity marking	CE
Standards/specifications	EN 61869-1; EN 61869-2; UL: E356480

## Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821749387
Customs Tariff No.	85043129900

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	-	E356480


## Counterpart

## Compatible products

### assembling

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

### tools









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

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	<b>Item no.: 2007-8873</b> Compact terminal block; for current and voltage transformers; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8873">www.wago.com/2007-8873</a>
	<b>Item no.: 2007-8874</b> Compact terminal block; for current and voltage transformers; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8874">www.wago.com/2007-8874</a>
	<b>Item no.: 2007-8875</b> Compact terminal block; for current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8875">www.wago.com/2007-8875</a>
	<b>Item no.: 2007-8876</b> Compact terminal block; for 3-phase current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8876">www.wago.com/2007-8876</a>
	<b>Item no.: 2007-8877</b> Compact terminal block; for current transformer circuit; 6,00 mm <sup>2</sup> ; multicoloured	<a href="http://www.wago.com/2007-8877">www.wago.com/2007-8877</a>
	<b>Item no.: 2857-570/024-005</b> 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> 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>

## Downloads

### Documentation

#### Bid Text

855-305/400-1001 GAEB X81 - Datei	Feb 19, 2019	xml 5.1 kB	Download
855-305/400-1001 doc - Datei	Feb 5, 2015	doc 31.7 kB	Download

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## Engineering-Software

### Software for Interface-Products

WAGO Interface Configuration Software SMALL The full setup only includes the WAGO Interface Configuration Software.	1.6.3.7 Sep 17, 2019	exe 48.0 MB	Download
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Subject to changes. Please also observe the further product documentation!

WAGO Interface Configuration Software FULL

1.6.3.7  
Sep 17, 2019

exe  
98.5 MB

[Download](#)

The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.

## CAD/CAE-Data

### CAD data

2D/3D Models 855-305/400-1001

[URL](#)

[Download](#)

### CAE data

EPLAN Data Portal 855-305/400-1001

[URL](#)

[Download](#)

WSCAD Universe 855-305/400-1001

[URL](#)

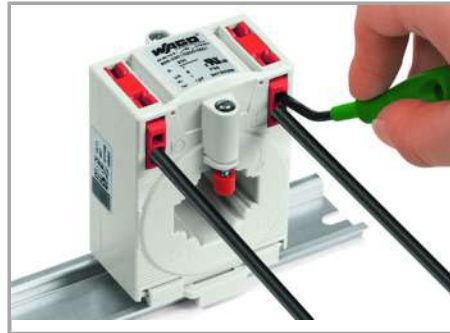
[Download](#)

## Installation Notes

### Conductor termination



Inserting a conductor – Operating tool actuation perpendicular to conductor entry.



Inserting a conductor – Operating tool actuation parallel to conductor entry.

### Installation

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



Mounting on copper carrier rail



Mounting on round cable



Secured to mounting plate



Mounting on DIN-rail via carrier rail adapter  
855-9900



Mounting via quick-mount kit 855-9910

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