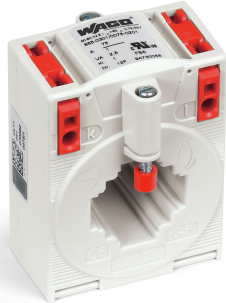


## Data sheet | Item number: 855-305/300-501

Plug-in current transformer; Primary rated current 300 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 1

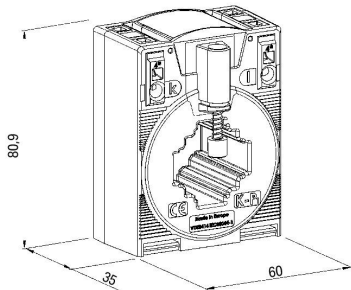
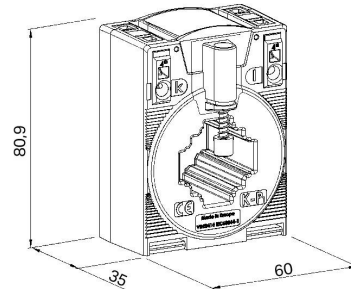
[www.wago.com/855-305/300-501](http://www.wago.com/855-305/300-501)



Picture differs from the item.

RoHS  
Compliant

BOMcheck.net



855-3xx/xxxx-xxxx

Busbar 1: 30 x 10 mm

Busbar 2: 25 x 12 mm

Busbar 3: 20 x 20 mm

Round cable: 26 mm

### 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:

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



- 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	300 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

#### Output – current transformer

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

#### Measurement error

Accuracy class	1
----------------	---

#### Safety and protection

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

#### Test voltage

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

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

WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



## 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	60 mm / 2.362 inch
Height	80.9 mm / 3.185 inch
Depth	52 mm / 2.047 inch

## Mechanical data

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

## Material data

Insulation class	E
Weight	230 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; EN 61869-2; UL: E356480

## Commercial data

Packaging type	BOX
Country of origin	HU
GTIN	4055143389174
Customs tariff number	85043129900


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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



## Approvals / Certificates

### UL-Approvals


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

## 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; multicoloured	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
---	---	--

### General accessories

	Item no.: 2007-8873 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>
	Item no.: 2007-8874 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>
	Item no.: 2007-8875 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>
	Item no.: 2007-8876 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>
	Item no.: 2007-8877 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>
	Item no.: 2857-570/024-005 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>
	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 mm <sup>2</sup>	<a href="http://www.wago.com/857-550">www.wago.com/857-550</a>
	Item no.: 857-551 Current signal conditioner; Current input signal; Current and voltage output signal; Digital output;	<a href="http://www.wago.com/857-551">www.wago.com/857-551</a>

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



Configuration via software; Supply voltage: 24 VDC; 6 mm module width

**Item no.: 857-569**

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

[www.wago.com/857-569](http://www.wago.com/857-569)**Downloads****Documentation****Additional Information**

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

**Engineering-Software****Software for Interface-Products**

WAGO Interface Configuration Software G2 FULL	1.0.5.03	exe	Download
The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	14. 9. 2020	113.7 MB	

WAGO Interface Configuration Software G2 SMALL	1.0.5.03	exe	Download
The full setup only includes the WAGO Interface Configuration Software G2.	14. 9. 2020	29.8 MB	

**CAD/CAE-Data****CAD data**

2D/3D Models 855-305/300-501	URL	Download
------------------------------	-----	----------

**CAE data**

EPLAN Data Portal 855-305/300-501	URL	Download
-----------------------------------	-----	----------

ZUKEN Portal 855-305/300-501	URL	Download
------------------------------	-----	----------

EPLAN Data Portal 855-305/300-501	URL	Download
-----------------------------------	-----	----------

**Environmental Product Compliance****Compliance Search**

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

WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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

Environmental Product Compliance 855-305/300-501

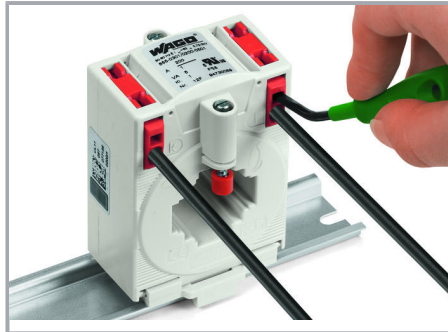
Plug-in current transformer; Primary rated current 300 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 1

## Installation Notes

### Conductor termination

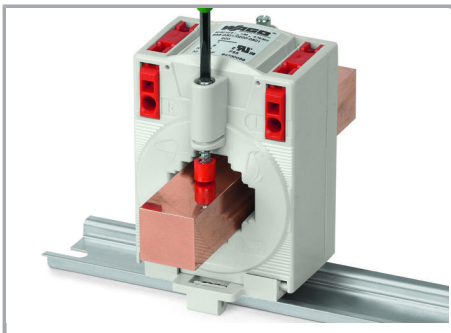


Conductor termination – screwdriver actuation perpendicular to conductor entry

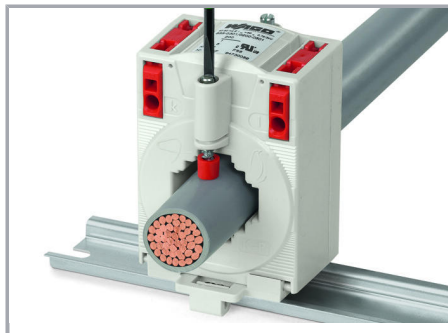


Conductor termination – screwdriver actuation parallel to conductor entry

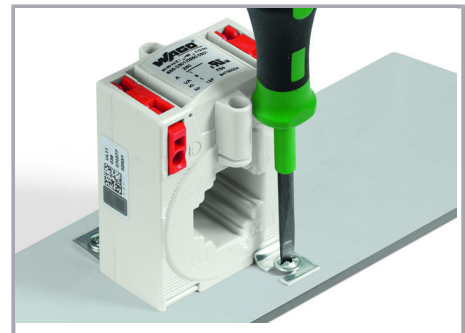
### Installation



Installation on copper current bar



Installation on round cable

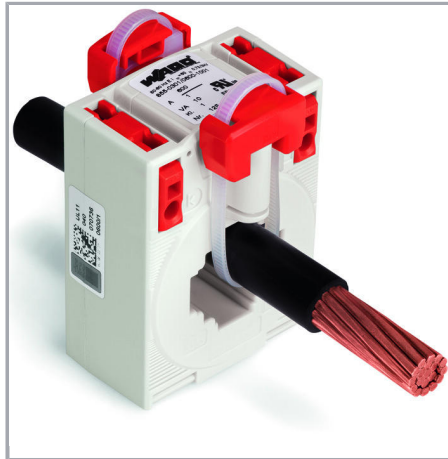


Installation on mounting plate

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



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!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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