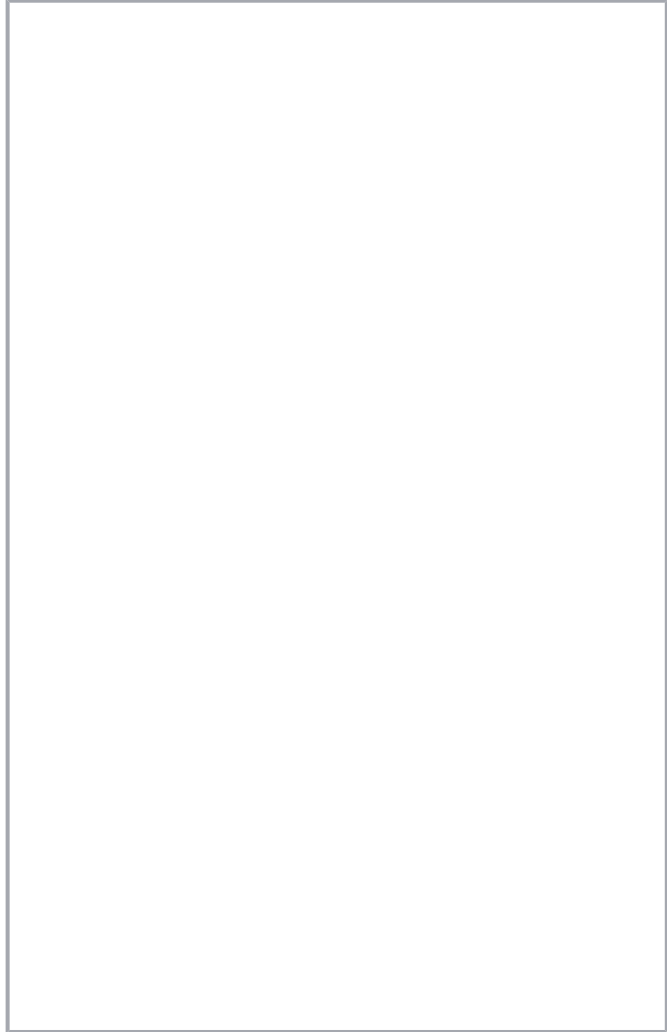
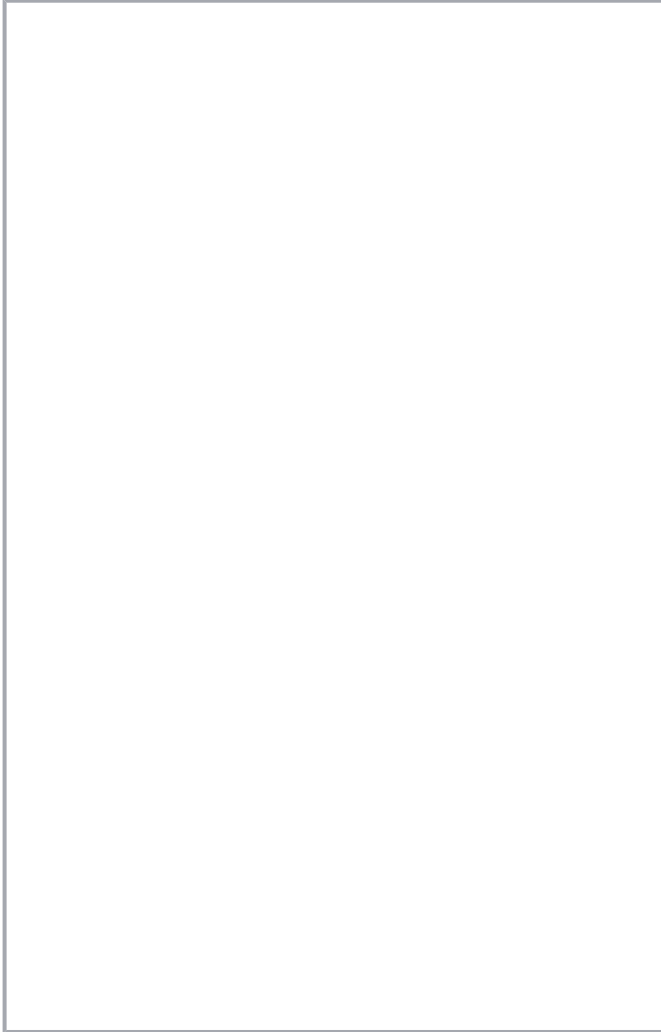


**Data sheet | Item number: 855-605/1500-501**

Plug-in current transformer; Primary rated current: 1500 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 1



[www.wago.com/855-605/1500-501](http://www.wago.com/855-605/1500-501)

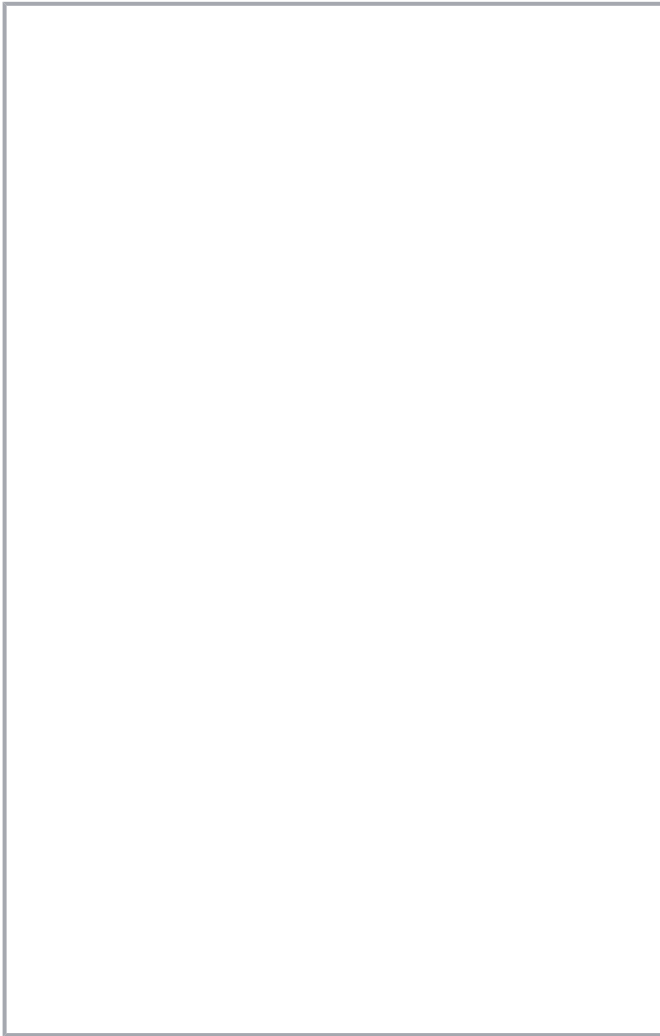


Subject to changes. Please also observe the further product documentation!

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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<sup>®</sup> connection technology
- Several mounting options available
- Vibration- and shock-resistant
- High mechanical retention forces
- High current-carrying capacity

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



- 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	1500 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
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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

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## Physical data

Width	95 mm / 3.74 inches
Height	114.85 mm / 4.522 inches
Depth	52 mm / 2.047 inches

## Mechanical data

Mounting type	Installation on round cable Closed current transformer Installation on mounting plate Mounting on round cable
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## Material data

Insulation class	E
Weight	396 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 UL: E356480


## Commercial data

eCl@ss 10.0	27-21-09-02
eCl@ss 9.0	27-21-09-02
ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 Stück
Packaging type	box
Country of origin VKOrg Germany	HU
GTIN	4055143262538
Customs tariff number VKOrg Germany	85043129900

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

## Approvals / Certificates

### UL-Approvals

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

## Optional accessories

### Mounting adapter

Fast connection adapter

**Item no.: 855-9910**  
Quick-mount kit

[www.wago.com/855-9910](http://www.wago.com/855-9910)

### Signal conditioner

Power measurement module

**Item no.: 2857-570/024-005**

3-Phase Power Measurement Module; 3x277/480 V/5 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

[www.wago.com/2857-570/024-005](http://www.wago.com/2857-570/024-005)

Current signal conditioner

**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>

[www.wago.com/857-550](http://www.wago.com/857-550)

**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)

**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

[www.wago.com/857-551](http://www.wago.com/857-551)

### Mounting

Current transformer terminal block

**Item no.: 2007-8874**

Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured

[www.wago.com/2007-8874](http://www.wago.com/2007-8874)

**Item no.: 2007-8877**

Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

[www.wago.com/2007-8877](http://www.wago.com/2007-8877)

**Item no.: 2007-8875**

Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

[www.wago.com/2007-8875](http://www.wago.com/2007-8875)

**Item no.: 2007-8876**

Compact terminal block; for 3-phase current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

[www.wago.com/2007-8876](http://www.wago.com/2007-8876)

**Item no.: 2007-8873**

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Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured[www.wago.com/2007-8873](http://www.wago.com/2007-8873)**Tool**

Operating tool

**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)**Downloads****Documentation****Bid Text**

855-605/1500-501 X81 - Datei	2019 年2月19 日	xml 5.0 kB	Download
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855-605/1500-501 doc - Datei	2016 年1月8 日	doc 32.8 kB	Download
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**Instruction Leaflet**

Aufsteck-Stromwandler		pdf 1.5 MB	Download
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**Additional Information**

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

WAGO Interface Configuration Software G2 FULL The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	1.0.8.6 2022 年1月20 日	exe 114.0 MB	Download
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WAGO Interface Configuration Software G2 SMALL The full setup only includes the WAGO Interface Configuration Software G2.	1.0.8.6 2022 年1月20 日	exe 30.0 MB	Download
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**CAD/CAE-Data****CAD data**

2D/3D Models 855-605/1500-501		URL	Download
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Subject to changes. Please also observe the further product documentation!

## CAE data

EPLAN Data Portal 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>
ZUKEN Portal 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>
EPLAN Data Portal 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 855-605/1500-501	<a href="#">URL</a>	<a href="#">Download</a>
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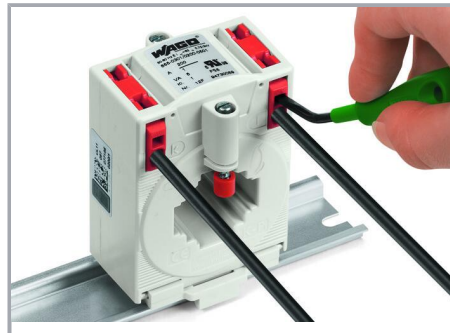
Plug-in current transformer; Primary rated current: 1500 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 1

## Installation Notes

### Conductor termination



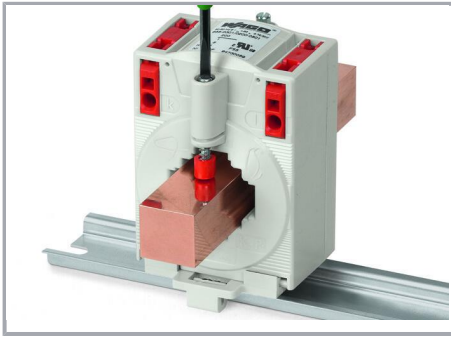
Conductor termination – screwdriver actuation perpendicular to conductor entry



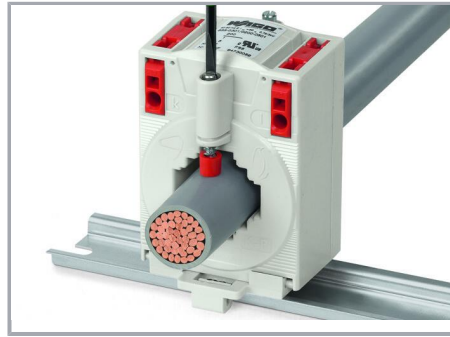
Conductor termination – screwdriver actuation parallel to conductor entry

### Installation

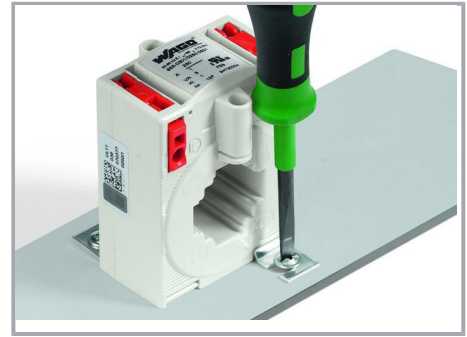
Subject to changes. Please also observe the further product documentation!



Installation on copper current bar



Installation on round cable



Installation on mounting plate



Installation via 855-9910 Quick-Mount Kit

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