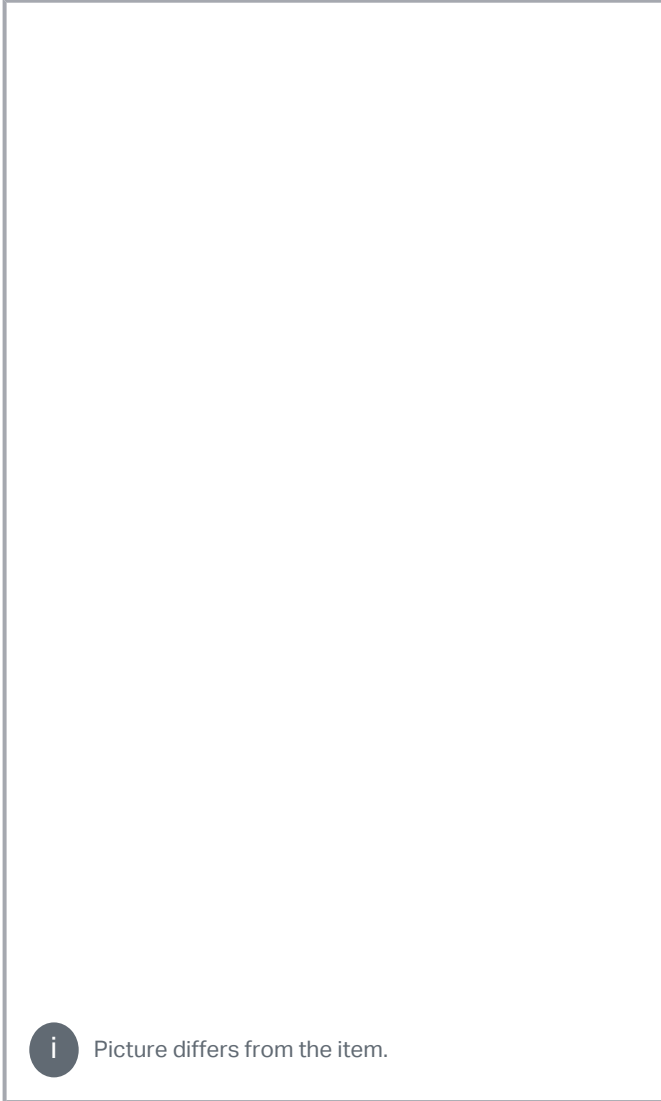


**Data sheet | Item number: 855-501/1000-1001**

Plug-in current transformer; Primary rated current: 1000 A; Secondary rated current: 1 A; Rated power: 10 VA; Accuracy class: 1



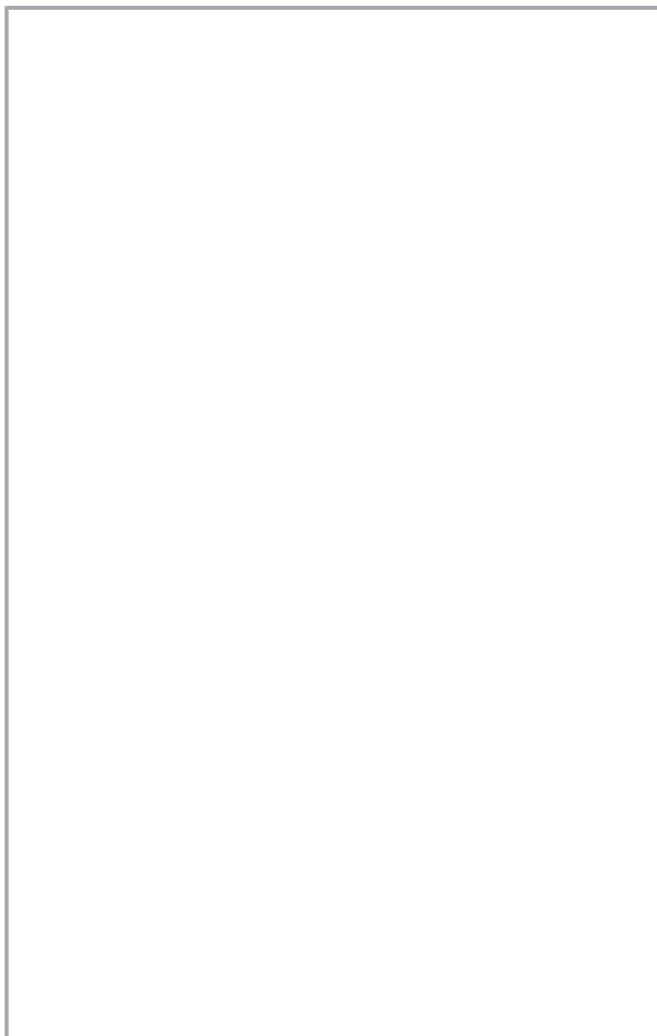
[www.wago.com/855-501/1000-1001](http://www.wago.com/855-501/1000-1001)



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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

—  
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- 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	1000 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	1 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>
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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	85 mm / 3.346 inches
Height	105.25 mm / 4.144 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
---------------	--

## Material data

Insulation class	E
Weight	230 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	4050821616948
Customs tariff number VKOrg Germany	85043129900


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

## Approvals / Certificates

### 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

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> Underwriters Laboratories Inc.	C51.13	E356480

## Optional accessories

### Signal conditioner

Power measurement module			
	<b>Item no.: 2857-570/024-001</b> 3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC		<a href="http://www.wago.com/2857-570/024-001">www.wago.com/2857-570/024-001</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.: 857-551</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>

### 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>

### Mounting

Current transformer terminal block			
	<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.: 2007-8877</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>

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**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**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)**Mounting adapter**

Fast connection adapter

**Item no.: 855-9910**

Quick-mount kit

[www.wago.com/855-9910](http://www.wago.com/855-9910)**Downloads****Documentation****Bid Text**

855-501/1000-1001 X81 - Datei	2019 年2月19 日	xml 5.0 kB	Download
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855-501/1000-1001 doc - Datei	2017 年12月11 日	doc 31.7 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 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

EPLAN Data Portal 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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WSCAD Universe 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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ZUKEN Portal 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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WSCAD Universe 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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EPLAN Data Portal 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 855-501/1000-1001	<a href="#">URL</a>	<a href="#">Download</a>
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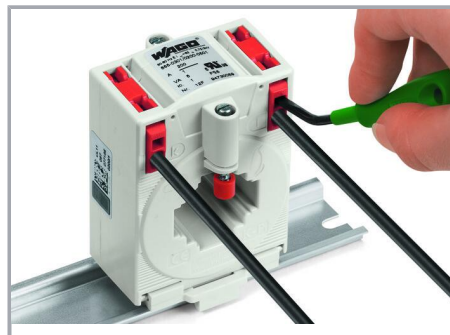
Plug-in current transformer; Primary rated current: 1000 A; Secondary rated current: 1 A; Rated power: 10 VA; Accuracy class: 1

## Installation Notes

### Conductor termination



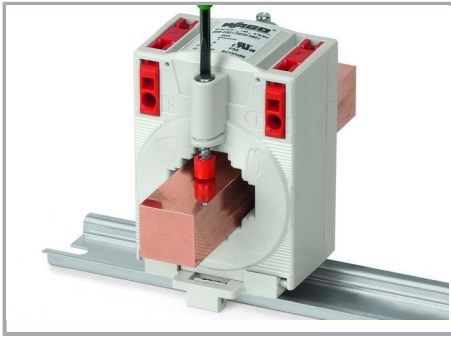
Conductor termination – screwdriver actuation perpendicular to conductor entry



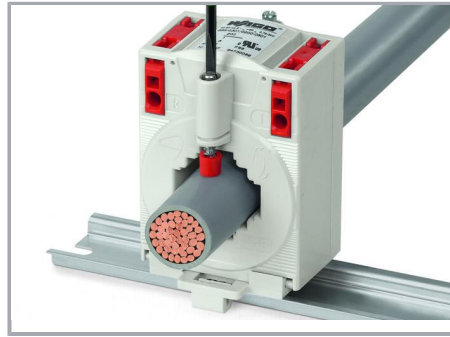
Conductor termination – screwdriver actuation parallel to conductor entry

### Installation

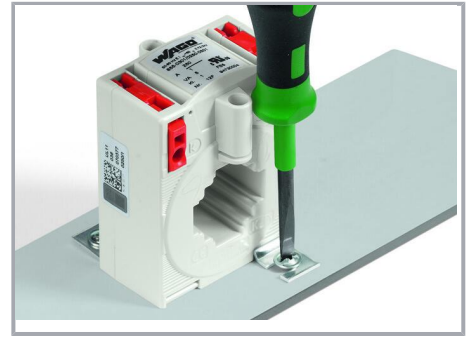
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Installation on copper current bar



Installation on round cable



Installation on mounting plate



Installation via 855-9910 Quick-Mount Kit

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