

Data sheet | Item number: 855-505/1000-1001

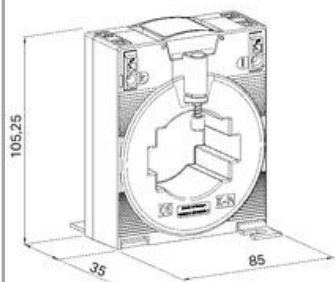
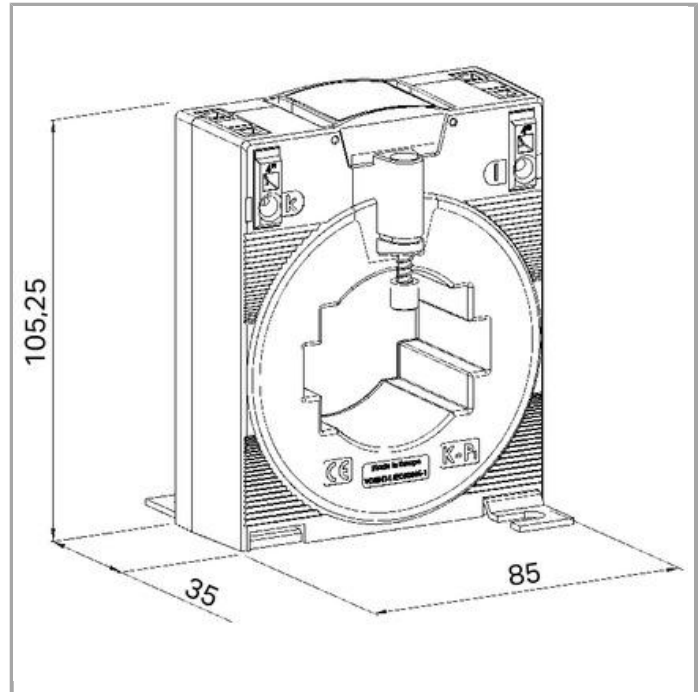
Plug-in current transformer; Primary rated current: 1000 A; Secondary rated current: 5 A; Rated power: 10 VA; Accuracy class: 1

www.wago.com/855-505/1000-1001



RoHS
Compliant

✓
BOMcheck.net



855-5xx/xxxx-xxxx

Stromschiene 1: 50 x 12 mm

Stromschiene 2: 40 x 30 mm

Rundleiter: 44 mm

Item description

Short description:



The 855 Series Plug-In Current Transformers 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
- Can be used in 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	5 A
Rated power S_r	10 VA
Highest voltage for equipment U_m	$1.2 \text{ kV}_{rms} \text{ AC}$

Measurement error

Accuracy class	1
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Safety and protection:

Test voltage	6 kV AC; 50Hz; 1min
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Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG



Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

Geometrical Data

Width	85 mm / 3.346 inch
Height	105.25 mm / 4.144 inch
Depth	52 mm / 2.047 inch

Mechanical data

Type of mounting	Current transformers (closed) Secured to mounting plate Mounting on round cable
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Material Data

Insulation class	E
Weight	366 g

Environmental Requirements

Surrounding air (operating) temperature	-5 ... 50 °C
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

Country of origin	DE
GTIN	4050821749417
Customs Tariff No.	85043129900

Approvals / Certificates

UL-Approvals

Logo	Approval	Certificate name
	UL UL Multiple Listings Project Handler	E356480

Compatible products

tools



Item no.: 210-720

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

www.wago.com/210-720

assembling



Item no.: 855-9910

Quick-mount kit

www.wago.com/855-9910

General accessories



Item no.: 2007-8873

Compact terminal block; for current and voltage transformers

www.wago.com/2007-8873

Item no.: 2007-8874

Compact terminal block; for current and voltage transformers

www.wago.com/2007-8874

Item no.: 2007-8875

Compact terminal block; for current transformer circuit

www.wago.com/2007-8875

Item no.: 2007-8876

Compact terminal block; for 3-phase current transformer circuit

www.wago.com/2007-8876

Item no.: 2007-8877

Compact terminal block; for current transformer circuit

www.wago.com/2007-8877

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

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

Downloads

Documentation

Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018	265.8 kB	Download
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Engineering-Software

Software for Interface-Products

Interface Configuration Software SMALL	1.5.4.6	EXE	Download
The full setup only includes the WAGO Interface Configuration Software.	Jan 8, 2018	46.0 MB	
Interface Configuration Software FULL	1.5.4.6	EXE	Download
The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.	Jan 8, 2018	96.5 MB	



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CAD data

3D Download 855-505/1000-1001	URL	Download
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Subject to changes.