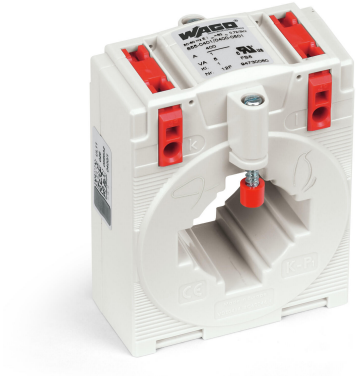
Data sheet | Item number: 855-401/250-501

Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 5 VA; Accuracy class: 1

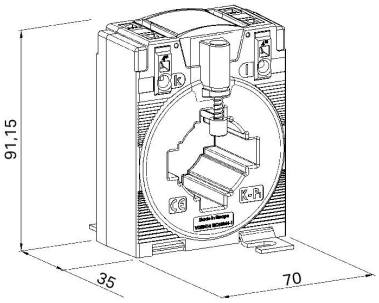
www.wago.com/855-401/250-501

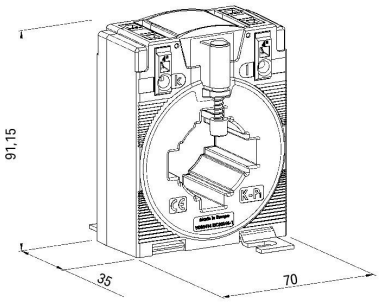


Picture differs from the item.

RoHS ✓ Compliant

BOMcheck.net





855-4xx/xxxx-xxxx

Busbar 1: 40 x 10 mm
Busbar 2: 30 x 15 mmm

Round cable: 32 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!

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- 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	250 A
Rated continuous thermal current I_{cth}	1.2 x I_N
Rated short-time thermal current I_{th}	60 x I_N / 1 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	5 VA

Measurement error

Accuracy class	1

Safety and protection

Highest voltage for equipment U_m	AC 1.2 kV_{rms}

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 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	70 mm / 2.756 inch
Height	91.15 mm / 3.589 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	370 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	4055143523226
Customs tariff number	85043129900

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Compatible products

tools

	**Item no.: 210-720** Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

General accessories

	**Item no.: 2007-8873** Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured	www.wago.com/2007-8873
	**Item no.: 2007-8874** Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured	www.wago.com/2007-8874
	**Item no.: 2007-8875** Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured	www.wago.com/2007-8875
	**Item no.: 2007-8876** Compact terminal block; for 3-phase current transformer circuit; 6,00 mm²; multicoloured	www.wago.com/2007-8876
	**Item no.: 2007-8877** Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured	www.wago.com/2007-8877
	**Item no.: 2857-570/024-001** 3-Phase Power Measurement Module; 3x400/690 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC	www.wago.com/2857-570/024-001
	**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 mm²	www.wago.com/857-550
	**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

assembling

	**Item no.: 855-9900** Carrier rail adapter	www.wago.com/855-9900
	**Item no.: 855-9910** Quick-mount kit	www.wago.com/855-9910

Downloads

Documentation

Bid Text

855-401/250-501 X81 - Datei	19. 2. 2019	xml 5.0 kB	Download
855-401/250-501	11. 12. 2017	doc	Download

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doc - Datei		32.3 kB	

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 The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	1.0.5.03 14. 9. 2020	exe 113.7 MB	Download
WAGO Interface Configuration Software G2 SMALL The full setup only includes the WAGO Interface Configuration Software G2.	1.0.5.03 14. 9. 2020	exe 29.8 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 855-401/250-501	URL	Download

CAE data

EPLAN Data Portal 855-401/250-501	URL	Download
ZUKEN Portal 855-401/250-501	URL	Download
EPLAN Data Portal 855-401/250-501	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-401/250-501 Plug-in current transformer; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 5 VA; Accuracy class: 1	URL	Download

Installation Notes

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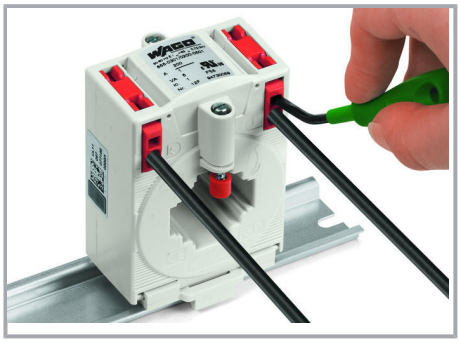
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Conductor termination

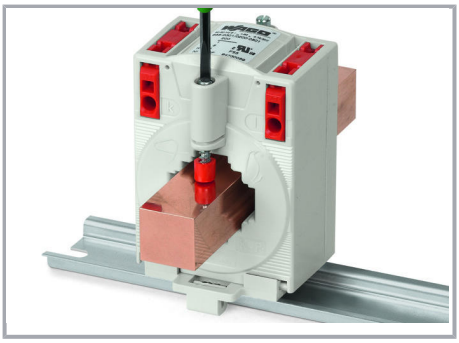


Conductor termination – screwdriver actuation perpendicular to conductor entry

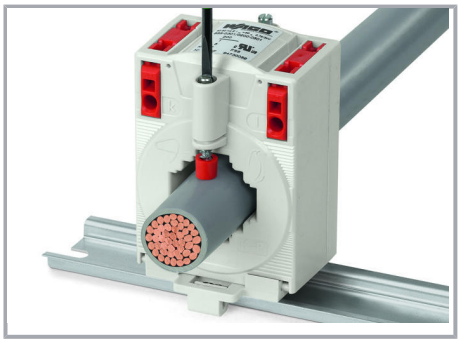


Conductor termination – screwdriver actuation parallel to conductor entry

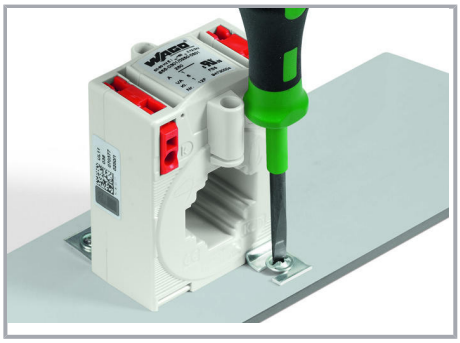
Installation



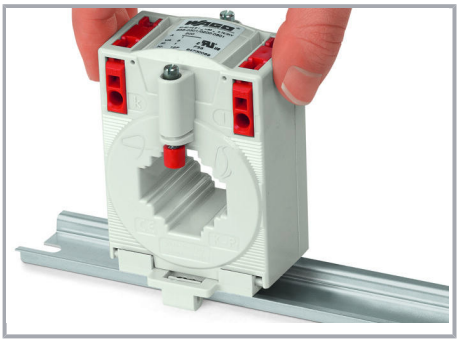
Installation on copper current bar



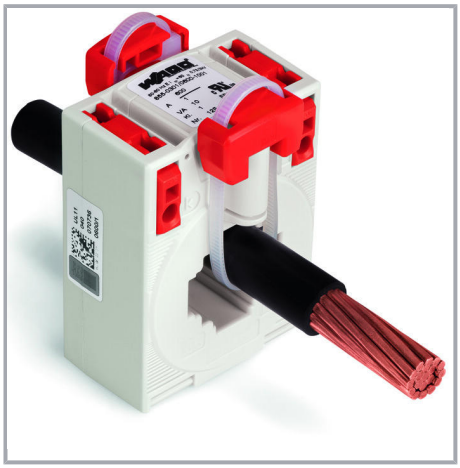
Installation on round cable



Installation on mounting plate



Mounting on DIN-rail via 855-9900 DIN-Rail Adapter



Installation via 855-9910 Quick-Mount Kit

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