

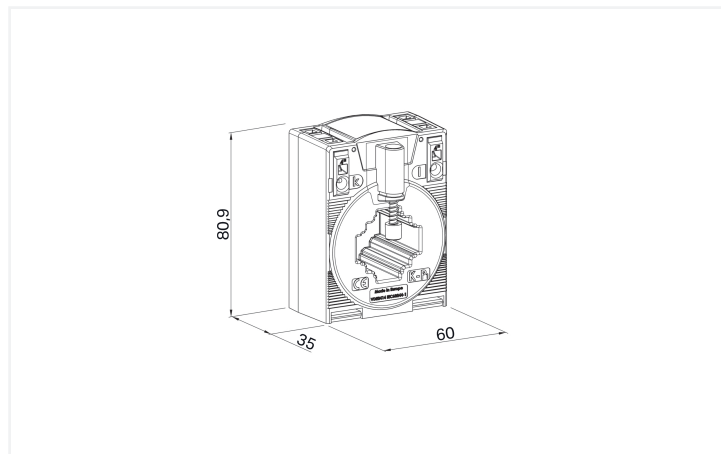
Data Sheet | Item Number: 855-305/100-201

Plug-in current transformer; Primary rated current: 100 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 1

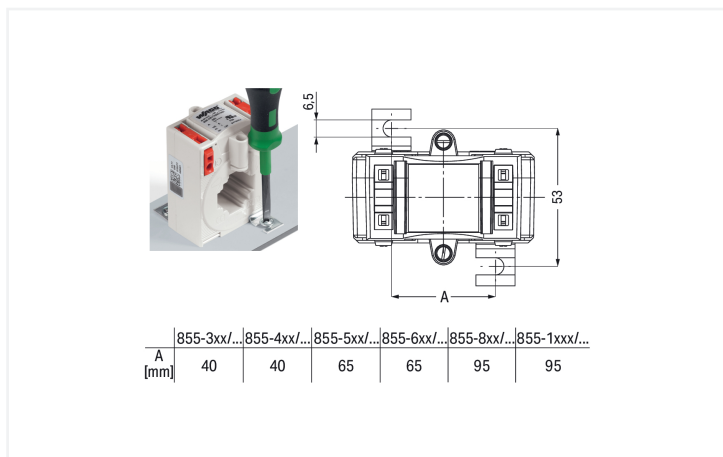
<https://www.wago.com/855-305/100-201>



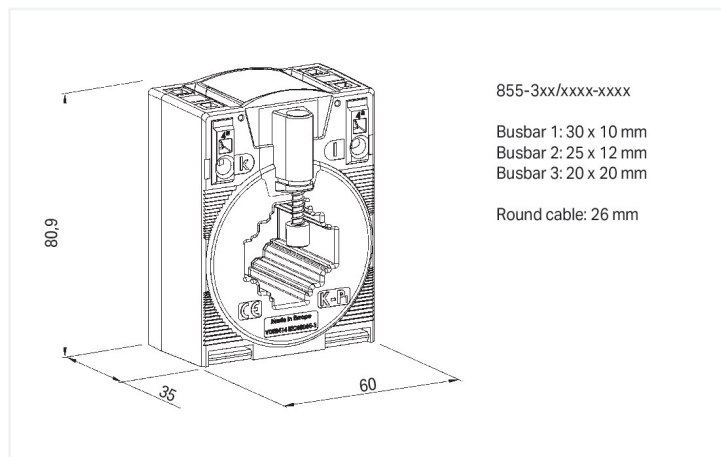
Similar to illustration



Dimensions in mm



Dimensions in mm



Short description:

WAGO's plug-in current transformers (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® 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



Technical data

Input		Input – current transformer	
Measured variable	Current	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
		Primary rated current	100 A

Output – current transformer		Measurement Error	
Secondary rated current	5 A	Accuracy class	1
Rated power S_r	2.5 VA		

Safety and protection

Test voltage	6 kVAC; 50 Hz; 1 min
Highest voltage for equipment U_m	1.2 kV _{rms} AC

Connection Data

Feedthrough for measurement conductor	Ø 26 mm	Connection 1	
		Connection technology	CAGE CLAMP®
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG

Physical data

Width	60 mm / 2.362 inches
Height	105.25 mm / 4.144 inches
Depth	52 mm / 2.047 inches

Mechanical data

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

Insulation class	E
Fire load	0 MJ
Weight	250 g



Environmental requirements	
Ambient temperature (operation)	-5 ... +50 °C
Ambient 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	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	HU
Customs tariff number	85043129900

Product Classification	
UNSPSC	39121006
eCl@ss 10.0	27-21-09-02
eCl@ss 9.0	27-21-09-02
ETIM 9.0	EC002048
ETIM 10.0	EC002048
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
 		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03082
UL Underwriters Laboratories Inc.	IEEE C57.13	E356480
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
855-305/100-201

↓

Documentation

Bid Text

855-305/100-201	05.02.2015	doc 31.00 KB	↓
855-305/100-201	19.02.2019	xml 4.96 KB	↓

Instruction Leaflet

Aufsteck-Stromwandler	pdf 1438.11 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models 855-305/100-201	↓
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CAE data

EPLAN Data Portal 855-305/100-201	↓
WSCAD Universe 855-305/100-201	↓
ZUKEN Portal 855-305/100-201	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Installation

1.1.1.1 Current transformer terminal block



Item No.: 2007-8876
Compact terminal block; for 3-phase current transformer circuit; 6,00 mm²; multicoloured



Item No.: 2007-8873
Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured



Item No.: 2007-8874
Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured



Item No.: 2007-8875
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured



Item No.: 2007-8877
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

1.1.2 Mounting adapter

1.1.2.1 DIN-rail adapter



[Item No.: 855-9900](#)
Carrier rail adapter

1.1.2.2 Fast connection adapter



[Item No.: 855-9910](#)
Quick-mount kit

1.1.3 Signal conditioner

1.1.3.1 Current Signal Conditioner



[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



[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

1.1.3.2 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



[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

1.1.4 Tool

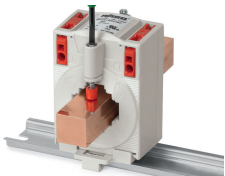
1.1.4.1 Operating tool



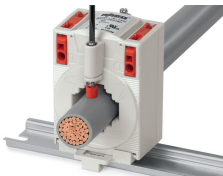
[Item No.: 210-720](#)
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Installation



Installation on copper current bar



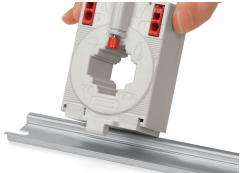
Installation on round cable



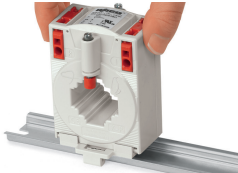
Installation on mounting plate



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



Snapping onto DIN-rail



Snapping onto DIN-rail

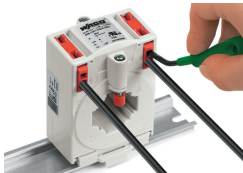


Installation via 855-9910 Quick-Mount Kit

Conductor termination



Conductor termination – screwdriver actuation perpendicular to conductor entry



Conductor termination – screwdriver actuation parallel to conductor entry