

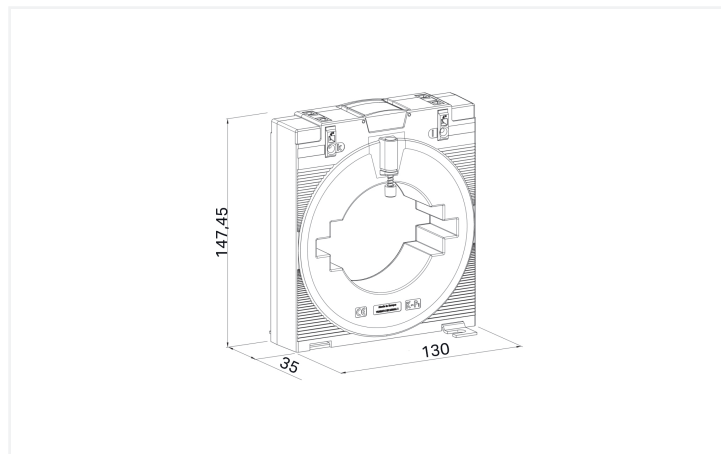
Data Sheet | Item Number: 855-1001/2500-1001

Plug-in current transformer; Primary rated current: 2500 A; Secondary rated current: 1 A; Rated power: 10 VA; Accuracy class: 1

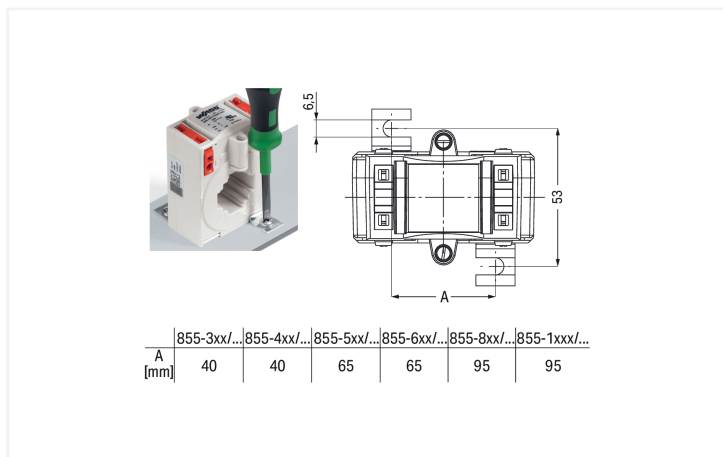
<https://www.wago.com/855-1001/2500-1001>



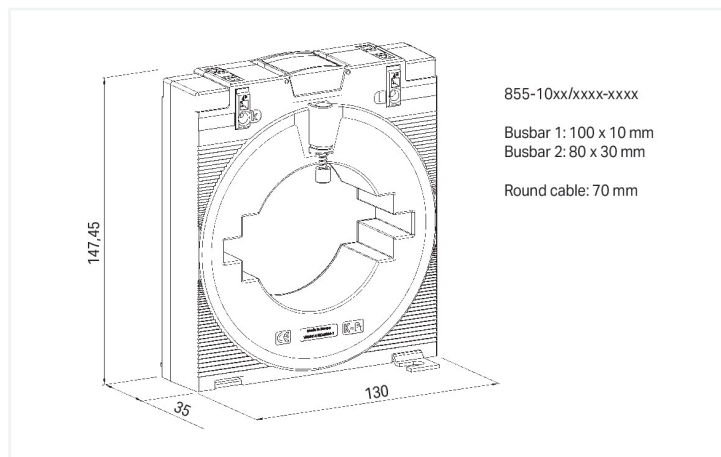
Similar to illustration



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

Measured variable	Current
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Input – current transformer

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	2500 A

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

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 70 mm
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Connection 1

Connection technology	CAGE CLAMP®
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG

Physical data

Width	130 mm / 5.118 inches
Height	147.45 mm / 5.805 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	396 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		DE
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
Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03082	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc.	IEEE C57.13	E356480			



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance			↓
855-1001/2500-1001			

Documentation

Bid Text			
855-1001/2500-1001	19.02.2019	xml 4.93 KB	↓
855-1001/2500-1001	08.01.2016	doc 32.50 KB	↓

Instruction Leaflet		
Aufsteck-Stromwandler	pdf 1438.11 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models	↓
855-1001/2500-1001	

CAE data	
EPLAN Data Portal	↓
855-1001/2500-1001	
WSCAD Universe	↓
855-1001/2500-1001	
ZUKEN Portal	↓
855-1001/2500-1001	

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 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.: 2857-570/024-001](#)
3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

1.1.4 Tool

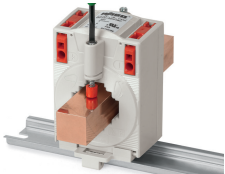
1.1.4.1 Operating tool



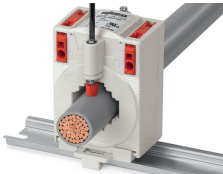
[Item No.: 210-720](#)
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

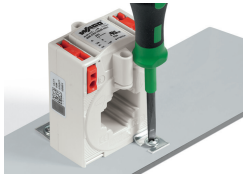
Installation



Installation on copper current bar



Installation on round cable



Installation on mounting plate



Installation via 855-9910 Quick-Mount Kit

Conductor termination



Conductor termination – screwdriver ac-
tuation perpendicular to conductor entry



Conductor termination – screwdriver ac-
tuation parallel to conductor entry