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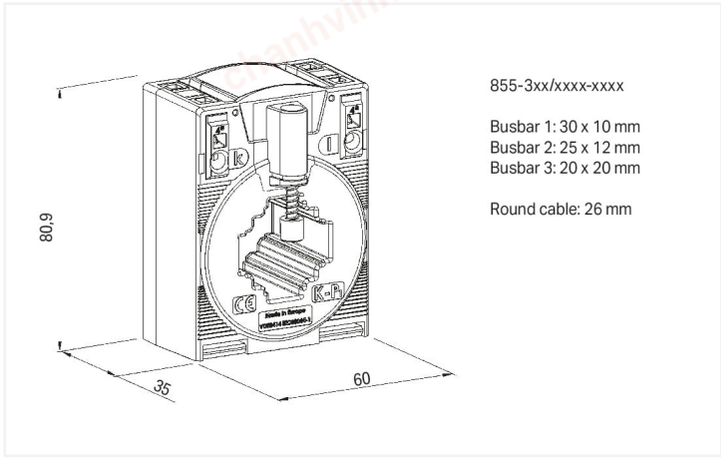
Data Sheet | Item Number: 855-305/050-103

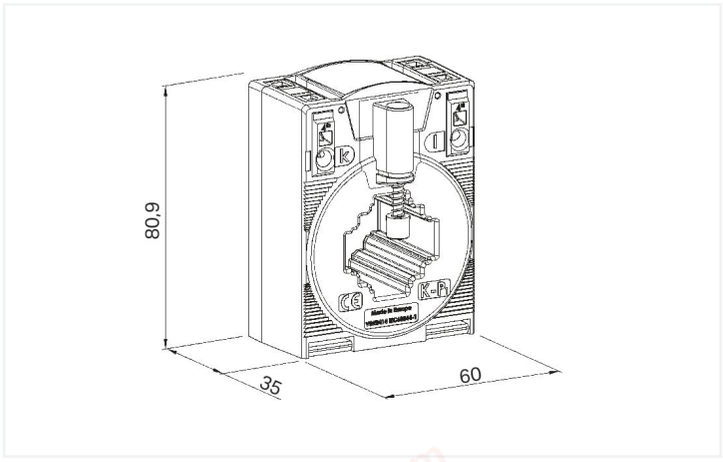
Plug-in current transformer; Primary rated current: 50 A; Secondary rated current: 5 A; Rated power: 1.25 VA; Accuracy class: 3

https://www.wago.com/855-305/050-103

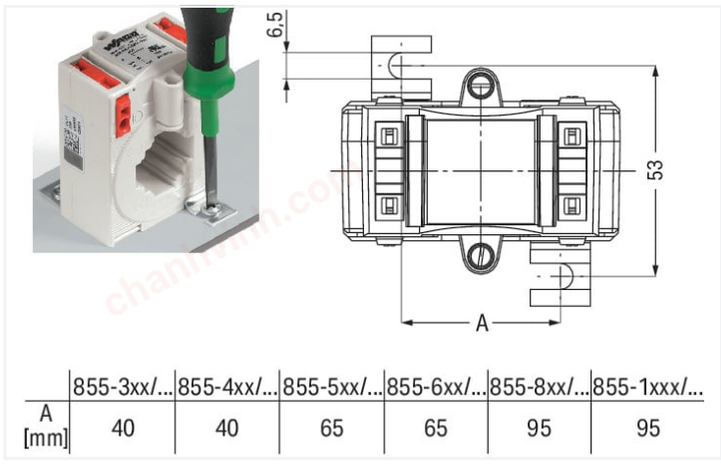


Similar to illustration





Dimensions in mm



	855-3xx/...	855-4xx/...	855-5xx/...	855-6xx/...	855-8xx/...	855-1xxx/...
A [mm]	40	40	65	65	95	95

Dimensions in mm

Kurzbeschreibung:

Aufsteck-Stromwandler der Serie 855 sind induktive, nach dem Trafo-Prinzip arbeitende, 1-Leiter-Stromwandler. Aufgrund des angewendeten Messprinzips eignen sich Stromwandler dieses Typs zur ausschließlichen Verwendung in Wechselstromnetzen.**Merkmale:**

- Schraubenlose Anschlusstechnik mit CAGE-CLAMP®-Anschluss
- Verschiedene Montagemöglichkeiten
- Schockfest und rüttelsicher
- Hohe mechanische Haltekräfte
- Hohe Stromfestigkeit
- Ständig mit 120 % des primären Nennstroms überlastbar
- Niederspannungsstromwandler für Betriebsspannungen bis max. 1,2 kV
- Einsatz in 690V-Netzen
- UL (Recognized Components)

Technical data

Input

Measured variable	Current

Input – current transformer

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
Primary rated current	50 A

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Data Sheet | Item Number: 855-305/050-103

https://www.wago.com/855-305/050-103

Output – current transformer

Secondary rated current	5 A
Rated power S_r	1.25 VA

Measurement error

Accuracy class	3

Safety and protection

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

Connection data

Connection object type 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	80.9 mm / 3.185 inches
Depth	52 mm / 2.047 inches

Mechanical data

Mounting type	Closed current transformer Installation on mounting plate Mounting on DIN-rail via DIN-rail adapter Installation on round cable

Material data

Insulation class	E
Fire load	0 MJ
Weight	300 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

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https://www.wago.com/855-305/050-103

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 pcs
Packaging type	Box
Country of origin	HU
Customs tariff number	85043129900

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02.B.00111/19
UL Underwriters Laboratories Inc.	-	E356480

Declarations of conformity and manufacturer's declarations

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 855-305/050-103

Documentation

Bid Text

855-305/050-103	05.02.2015	doc 29.50 KB
855-305/050-103	19.02.2019	xml 4.96 KB

Instruction Leaflet

Aufsteck-Stromwandler	pdf 1438.11 KB

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CAD/CAE-Data

CAD data	CAE data
2D/3D Models 855-305/050-103	EPLAN Data Portal 855-305/050-103
	WSCAD Universe 855-305/050-103
	ZUKEN Portal 855-305/050-103

Engineering-Software

Configuration and Commissioning Software

WAGO Interface Configuration Software G2 FULL	1.00.10.01 20.01.2022	exe 112213.07 KB	
WAGO Interface Configuration Software G2 SMALL	1.00.10.01 20.01.2022	exe 30238.22 KB	

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

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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



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

1.1.3.2 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

1.1.3.3 Voltage signal conditioner



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

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Installation Notes

Conductor termination

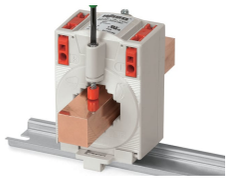


Conductor termination – screwdriver actuation perpendicular to conductor entry



Conductor termination – screwdriver actuation parallel to conductor entry

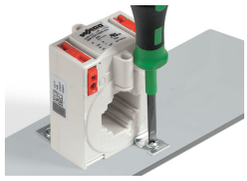
Installation



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