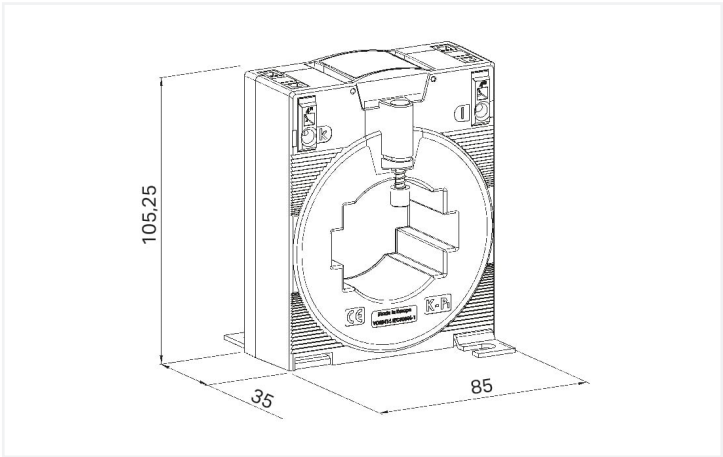
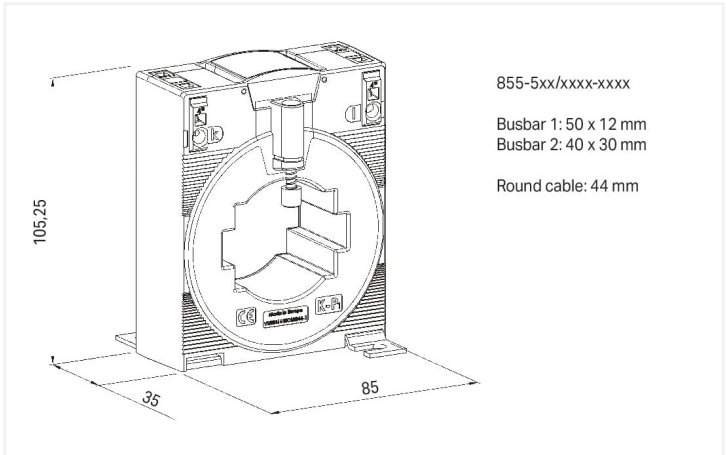
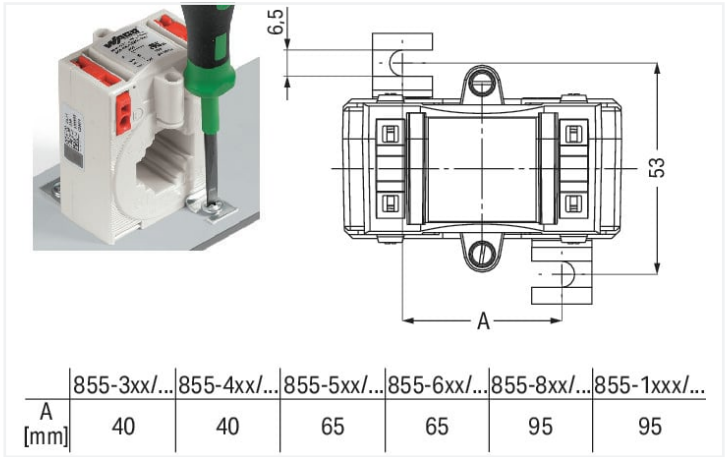




Similar to illustration



Dimensions in mm



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 Anschluss technik 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		Input – current transformer	
Measured variable	Current	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	800 A

Output – current transformer

Secondary rated current	5 A
Rated power S_r	10 VA

Measurement error

Accuracy class	1
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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	85 mm / 3.346 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	344 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		
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			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00111/19	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc.	-	E356480	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 855-505/800-1001		

Documentation

Instruction Leaflet		
Aufsteck-Stromwandler	pdf 1438.11 KB	



CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models		EPLAN Data Portal	
855-505/800-1001		855-505/800-1001	
		ZUKEN Portal	
		855-505/800-1001	

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 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

Installation Notes

Conductor termination

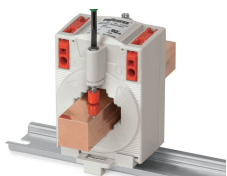


Conductor termination – screwdriver actuation perpendicular to conductor entry



Conductor termination – screwdriver actuation parallel to conductor entry

Installation



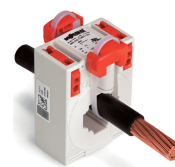
Installation on copper current bar



Installation on round cable



Installation on mounting plate



Installation via 855-9910 Quick-Mount Kit