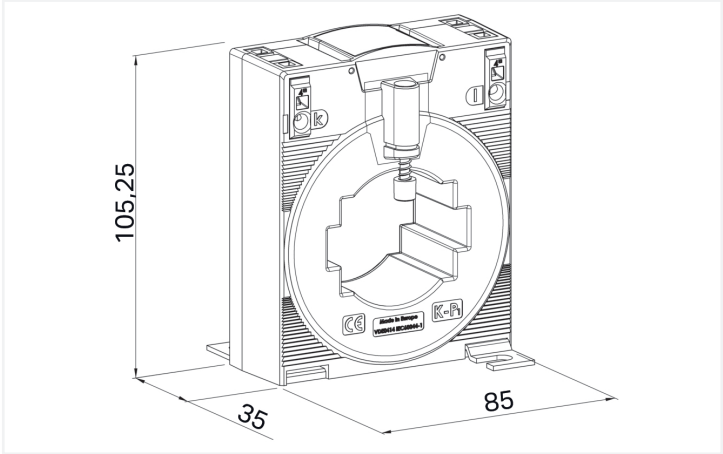
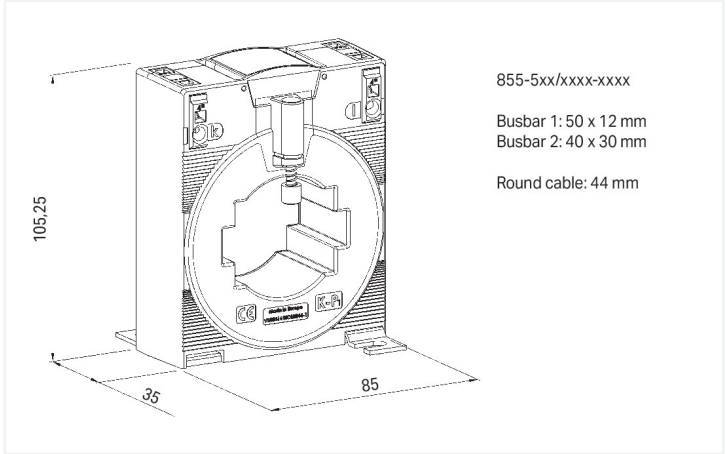
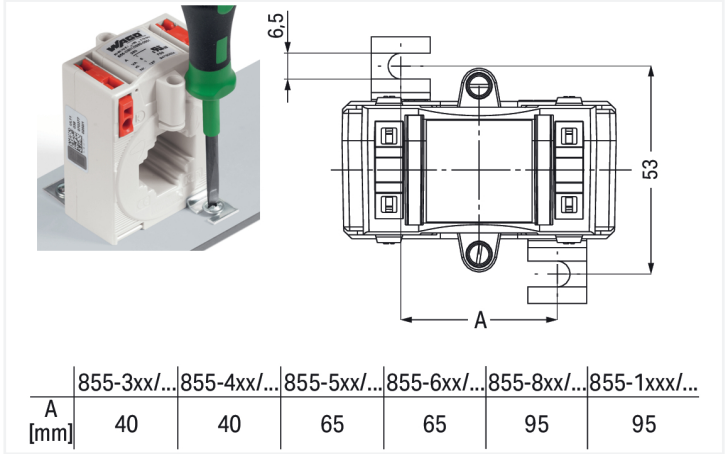




Similar to illustration



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 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	1000 A



Output – current transformer	
Secondary rated current	5 A
Rated power S _p	10 VA

Measurement error	
Accuracy class	1

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 44 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	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

Material data	
Insulation class	E
Fire load	0 MJ
Weight	366 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		39121032
eCl@ss 10.0		27-21-09-02
eCl@ss 9.0		27-21-09-02
ETIM 9.0		EC002048
ETIM 8.0		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 855-505/1000-1001	

Documentation			
Bid Text			Instruction Leaflet
855-505/1000-1001	19.02.2019	xml 4.92 KB	
855-505/1000-1001	05.02.2015	doc 31.00 KB	
			Aufsteck-Stromwandler pdf 1438.11 KB 



CAD/CAE-Data	
CAD data 2D/3D Models 855-505/1000-1001 ↓	CAE data EPLAN Data Portal 855-505/1000-1001 ↓
	WSCAD Universe 855-505/1000-1001 ↓
	ZUKEN Portal 855-505/1000-1001 ↓

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.: 2857-570/024-005
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 vol-
tage input signal; Current and voltage out-
put signal; Digital output; Configuration
via software; Supply voltage: 24 VDC; 6
mm module width

1.1.4 Tool

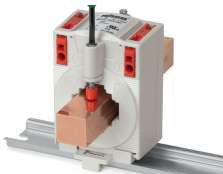
1.1.4.1 Operating tool



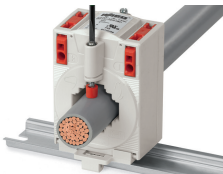
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a
partially insulated shaft; multicoloured

Installation Notes

Installation



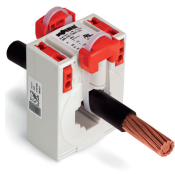
Installation on copper current bar



Installation on round cable



Installation on mounting plate



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