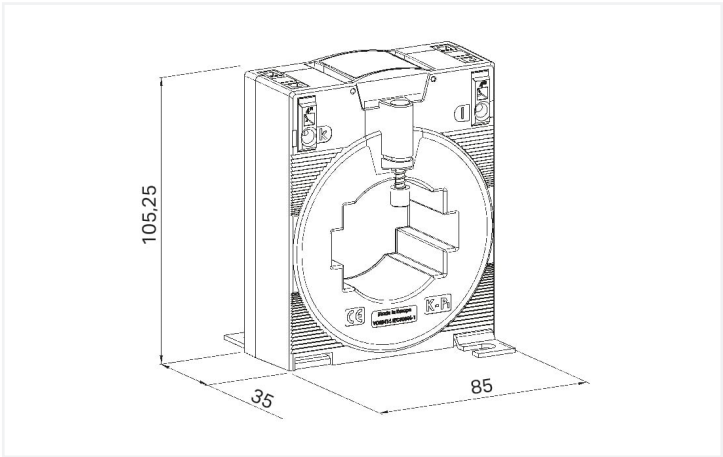
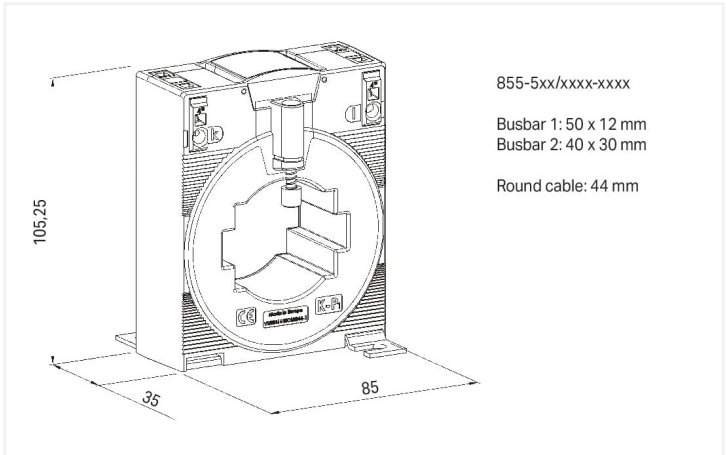




Similar to illustration



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 factorFS5 / FS10 (type dependent; see type plate inscription)
		Rated frequency50 ... 60 Hz
		Primary rated current800 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	AC 6 kV; 50 Hz; 1 min
Highest voltage for equipment U _m	AC 1.2 kV _{rms}

Connection data	
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	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 GZO Almaty Standart	TP TC 004/2011	EAC CoC 03082	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 2D/3D Models 855-505/800-1001 ↓	CAE data EPLAN Data Portal 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



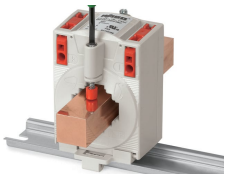
Conductor termination – screwdriver actuation perpendicular to conductor entry



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