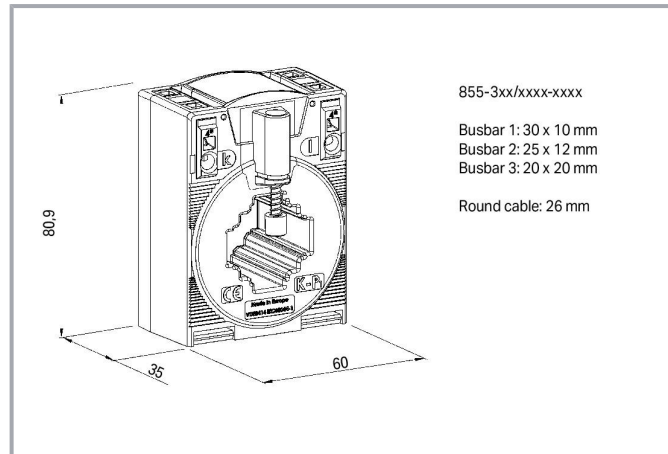
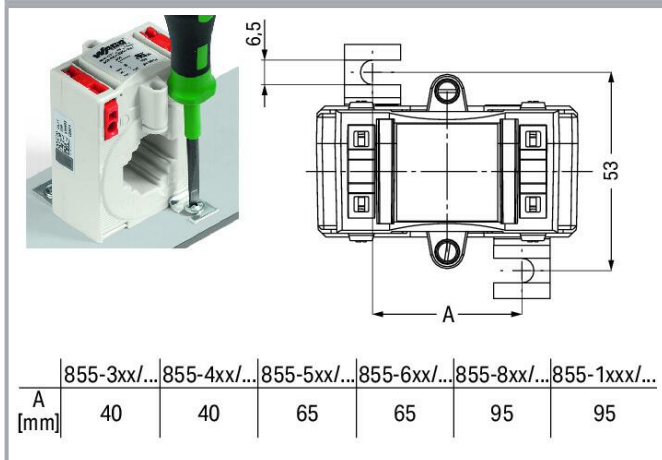
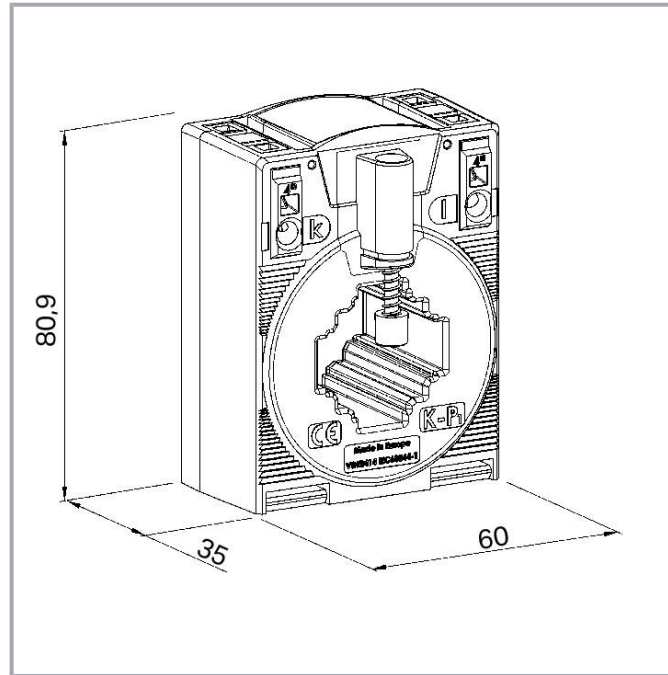


Data sheet | Item number: 855-301/050-103

Plug-in current transformer; Primary rated current: 50 A; Secondary rated current: 1 A; Rated power: 1.25 VA; Accuracy class: 3

www.wago.com/855-301/050-103



Item description

Short description:

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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Do you have any questions about our products?
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These plug-in units (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

Data

Technical data

Accuracy class	3
Primary rated current	50 A
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
Secondary rated current	1 A
Rated power S_r	1.25 VA

Safety and protection

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

Connection data

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

Subject to changes. Please also observe the further product documentation!



Physical data

Width	60 mm / 2.362 inch
Height	80.9 mm / 3.185 inch
Depth	52 mm / 2.047 inch

Mechanical data

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

Insulation class	E
Weight	230 g

Environmental requirements

Surrounding air temperature (operation)	-5 ... 50 °C
Surrounding air 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 Stück
Packaging type	box
Country of origin	HU
GTIN	4050821614654
Customs tariff number	85043129900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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UL
Underwriters Laboratories Inc.

C51.13

E356480

Optional accessories

Tool

Operating tool			
	Item no.: 210-720		
	Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured		www.wago.com/210-720

Downloads

Documentation

Bid Text

855-301/050-103	2019. 2. 19.	xml	Download
X81 - Datei		5.1 kB	
855-301/050-103	2015. 2. 5.	doc	Download
doc - Datei		30.2 kB	

Instruction Leaflet

Aufsteck-Stromwandler		pdf	Download
		1.5 MB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

Engineering-Software

Software for Interface-Products

WAGO Interface Configuration Software G2 FULL	1.0.7.9	exe	Download
The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	2021. 4. 8.	114.0 MB	
WAGO Interface Configuration Software G2 SMALL	1.0.7.9	exe	Download
The full setup only includes the WAGO Interface Configuration Software G2.	2021. 4. 8.	30.0 MB	

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CAD/CAE-Data

CAD data

2D/3D Models 855-301/050-103	URL	Download
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CAE data

EPLAN Data Portal 855-301/050-103	URL	Download
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WSCAD Universe 855-301/050-103	URL	Download
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ZUKEN Portal 855-301/050-103	URL	Download
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EPLAN Data Portal 855-301/050-103	URL	Download
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WSCAD Universe 855-301/050-103	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-301/050-103	URL	Download
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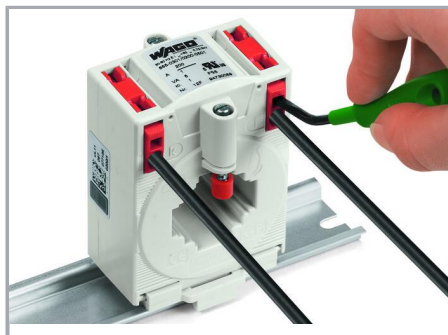
Plug-in current transformer; Primary rated current: 50 A; Secondary rated current: 1 A; Rated power: 1.25 VA; Accuracy class: 3

Installation Notes

Conductor termination



Conductor termination – screwdriver actuation perpendicular to conductor entry



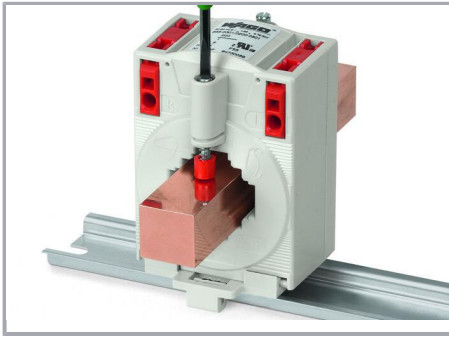
Conductor termination – screwdriver actuation parallel to conductor entry

Installation

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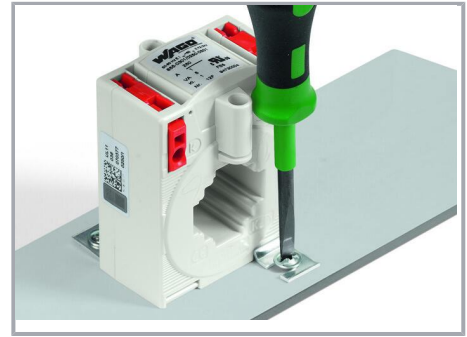
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Installation on copper current bar



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

Subject to changes. Please also observe the further product documentation!