

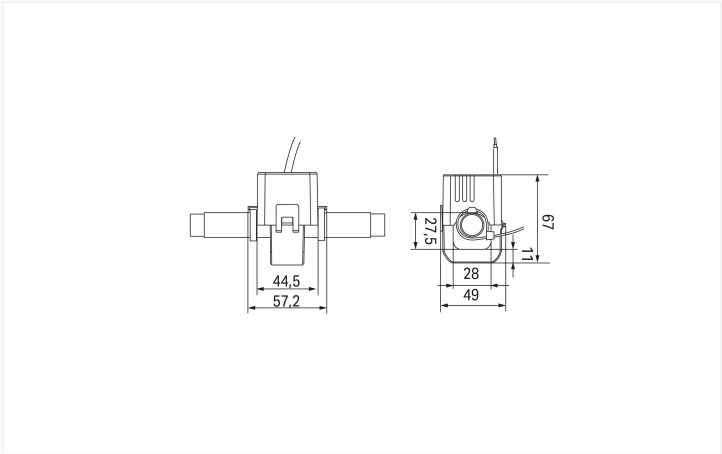
Data Sheet | Item Number: 855-4105/250-101

Split-core current transformer; Primary rated current: 250 A; Secondary rated current: 5 A; Rated power: 1 VA; Accuracy class: 1; Cable length: 0.5 m

<https://www.wago.com/855-4105/250-101>



Similar to illustration



Dimensions in mm

Short description:

WAGO's compact split-core current transformers are ideal for retrofitting existing systems. They are perfect for applications in which the current path must not be disrupted. The transformer's accuracy permits extremely precise current measurements. The split-core current transformers are capable of supplying the specified rated power at the end of the secondary cable. All transformers are supplied with color-coded cables. Two UV-resistant cable ties are also included for secure and easy mounting.

Features:

- Current ratios from 250 A (primary side) and 5 A (secondary side)
- No primary cable interruption
- Ideal for use in very confined spaces
- Rapid mounting
- For use around insulated cables up to 28 mm diameter
- Compact and hinged
- Color-coded connection cable (0.5 m)

Technical data			
Input		Input – current transformer	
Measured variable	Current	Rated continuous thermal current I_{cth}	100 %
		Rated short-time thermal current I_{th}	$60 \times I_N / 1 \text{ s}$
		Rated surge current I_{dyn}	$2.5 \times I_{th}$
		Rated frequency	50 ... 60 Hz
		Primary rated current	250 A
Output – current transformer		Measurement Error	
Secondary rated current	5 A	Accuracy class	1
Rated power S_r	1 VA		



Safety and protection	
Protection type	IP20
Test voltage	3 kVAC; 50 Hz; 1 min
Highest voltage for equipment U _m	720 V _{rms} AC

Connection Data	
Feedthrough for measurement conductor	Ø 28 mm
Cable type	2 x 1.5 mm ² ; fine-stranded
Color code	black = S1; red = S2

Physical data	
Cable length	0.5 m
Width	57.2 mm / 2.25 inches
Height	67 mm / 2.64 inches
Depth	49 mm / 1.93 inches

Mechanical data	
Mounting type	Split-core current transformer (suspended)

Material data	
Weight	267 g

Environmental requirements	
Ambient temperature (operation)	-10 ... +55 °C
Ambient temperature (storage)	-20 ... +70 °C
Relative humidity	5 ... 85 % (without condensation)
Operating altitude (max.)	2000 m

Standards and Specifications	
Conformity marking	CE
Standards/specifications	EN 61869-1 EN 61869-2

Commercial data	
Product Group	29 (INTERFACE ELECTRONIC (NET))
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	NL
Customs tariff number	85043180888

Product Classification	
UNSPSC	39121008
eCl@ss 10.0	27-21-09-02
eCl@ss 9.0	27-21-09-02
ETIM 9.0	EC002048
ETIM 10.0	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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-									

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 855-4105/250-101	

Documentation				
Bid Text			Instruction Leaflet	
855-4105/250-101	19.02.2019	xml 5.15 KB		<div>Kabelumbau-Stromwandler</div> <div>V 1.1.0 15.01.2020</div> <div>pdf 812.97 KB</div> <div></div>
855-4105/250-101	24.03.2015	doc 30.50 KB		

Engineering-Software			
Configuration and Commissioning Software			
WAGO Interface Configuration Software SMALL	1.6.3.7 17.09.2019	exe 46878.36 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 Signal conditioner

1.1.2.1 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

1.1.2.2 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

Installation Notes

Installation



Simple termination!



Quick and easy mounting!

