

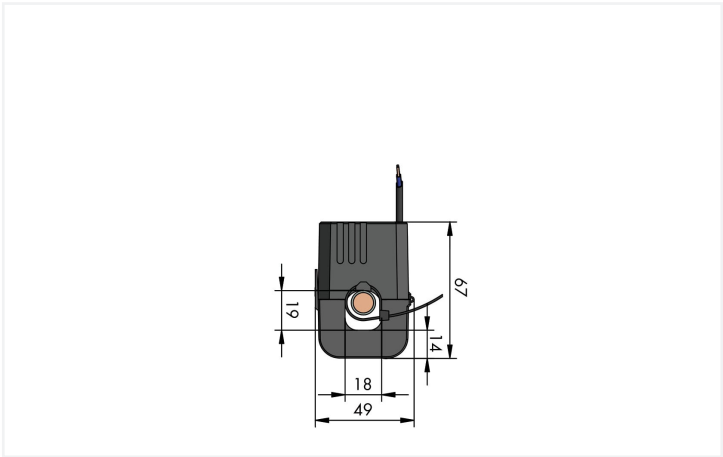
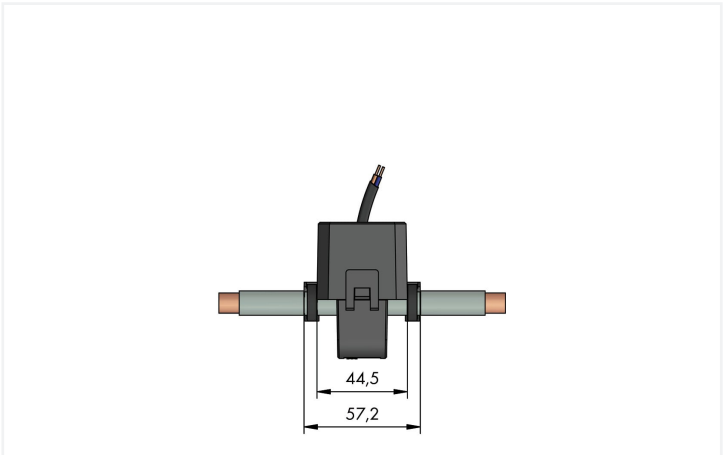
Data Sheet | Item Number: 855-4005/150-101

Split-core current transformer; Primary rated current: 150 A; Secondary rated current: 5 A; Rated power: 1 VA; Accuracy class: 1; Cable length: 0.5 m

<https://www.wago.com/855-4005/150-101>



Similar to illustration



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 150 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 18 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	150 A



Output – current transformer	
Secondary rated current	5 A
Rated power S _p	1 VA
Measurement error	
Accuracy class	1
Safety and protection	
Protection type	IP20
Test voltage	AC 3 kV; 50 Hz; 1 min
Highest voltage for equipment U _m	AC 720 V _{rms}
Connection data	
Feedthrough for Measurement Conductor	Ø 18 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	
Fire load	0 MJ
Weight	341 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))
eCl@ss 10.0	27-21-09-02
eCl@ss 9.0	27-21-09-02
ETIM 9.0	EC002048
ETIM 8.0	EC002048
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	NL
Customs tariff number	85043180888



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03082

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
855-4005/150-101

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Documentation			
Additional Information		Bid Text	
WAGO Interface Configuration Software SMALL	1.6.3.7 17.09.2019	exe 46878.36 KB	↓
		855-4005/150-101 19.02.2019	xml 5.15 KB ↓
		855-4005/150-101 29.09.2017	doc 31.50 KB ↓

Instruction Leaflet			
Kabelumbau-Stromwandler	V 1.1.0 15.01.2020	pdf 812.97 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
855-4005/150-101

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Engineering-Software

Configuration and Commissioning Software			
WAGO Interface Configuration Software G2 FULL	1.00.10.01 20.01.2022	exe 112213.07 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



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

1.1.2.2 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

1.1.2.3 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

Installation Notes

Installation



Simple termination!



Quick and easy mounting!

