

Data Sheet | Item Number: 855-4201/150-001

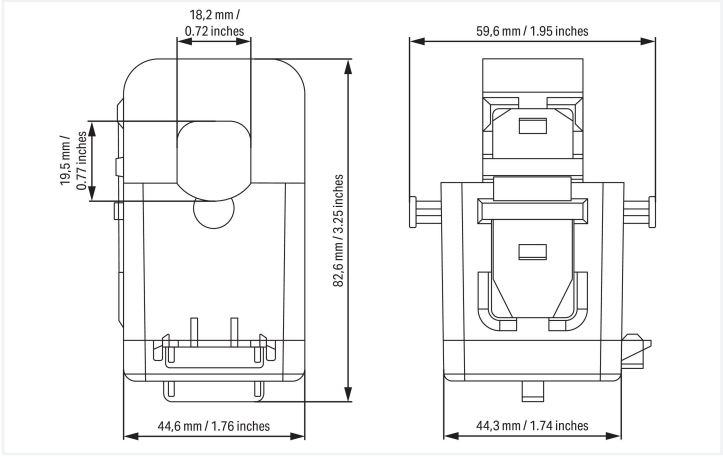
Split-core current transformer; Primary rated current: 150 A; Secondary rated current: 1 A; Accuracy class: 1; Secondary connection with lever

<https://www.wago.com/855-4201/150-001>



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 exact current measurements. The split-core current transformers can supply the specified rated power at the secondary connection. Two UV-resistant cable ties are also included for secure and easy mounting. Lever-operated CAGE CLAMP® connectors provide a secondary connection on the bottom. For safe installation, a shorting link is supplied, which can be placed in the parking position directly on the current transformer when not in use.

Features:

- Current ratios from 150 A (primary side) and 1 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 Ø)
- Compact and hinged
- Connectors with levers for all conductor types up to max. 4 mm²
- Including shorting link



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		Measurement error	
Secondary rated current	1 A	Accuracy class	1
Rated power S_r	0.7 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		Connection 2	
Feedthrough for Measurement Conduc- tor	Ø 18 mm	Connection type	Secondary
		Connection technology	CAGE CLAMP®
		WAGO connector 2	WAGO 221-2411
		Actuation type	Lever
		Strip length	11 mm / 0.43 inches
		Solid conductor	0.2 ... 4 mm² / 20 ... 14 AWG
		Fine-stranded conductor	0.2 ... 4 mm² / 18 ... 14 AWG

Physical data	
Width	59.6 mm / 1.95 inches
Height	82.6 mm / 3.25 inches
Depth	44.6 mm / 1.76 inches

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

Material data	
Fire load	0 MJ
Weight	285 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	
ETIM 9.0	EC002048
ETIM 8.0	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	
Declarations of conformity and manufacturer's declarations	

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 855-4201/150-001	

Documentation	
Additional Information	
WAGO Interface Confi- guration Software SMALL	<div>1.6.3.7 17.09.2019 exe 46878.36 KB</div>

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.: 2857-570/024-001
3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

Installation Notes

Installation



Simple termination!



Quick and easy mounting!

