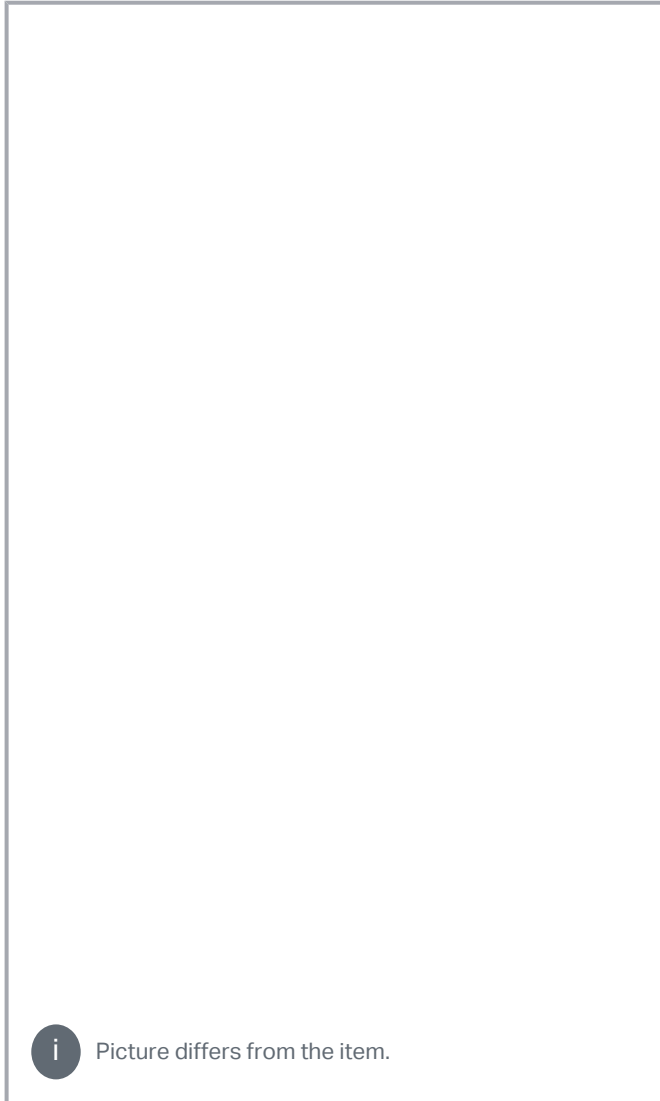


Data sheet | Item number: 855-5101/500-000

Split-core current transformer; Primary rated current: 500 A; Secondary rated current: 1 A; Rated power: 0.5 VA; Accuracy class: 0.5



www.wago.com/855-5101/500-000



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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

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 500 A (primary side) and 1 A (secondary side)
- No primary cable interruption
- Ideal for use in very confined spaces

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



- Rapid mounting
- For use around insulated cables up to 42 mm diameter
- Compact and hinged
- Color-coded connection cable (5 m)

Data

Technical data

Input – current transformer

Primary rated current	500 A
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

Output – current transformer

Secondary rated current	1 A
Rated power S_r	0.5 VA

Measurement error

Accuracy class	0.5
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Safety and protection

Highest voltage for equipment U_m	AC 720 V _{rms}
Protection type	IP20

Test voltage

Test voltage	AC 3 kV; 50 Hz; 1 min
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Connection data

Feedthrough for measurement conductor	2 x Ø 42 mm
Cable type	2 x 0.5 mm ² ; fine-stranded
Color code	brown = S1; blue = S2

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

Physical data

Cable length	5 m
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Mechanical data

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

Flammability class per UL94	V2
Weight	790 g

Environmental requirements

Ambient temperature (operation)	-10 ... +55 °C
Surrounding air 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 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 Stück
Packaging type	box
Country of origin VKOrg Germany	NL
GTIN	4055143950664
Customs tariff number VKOrg Germany	85043180888

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C- DE.AM02.

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



Optional accessories

Signal conditioner

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

www.wago.com/857-551

Downloads

Documentation

Bid Text

docx - Datei

docx
16.2 kB

Download

X81 - Datei

xml
5.5 kB

Download

Instruction Leaflet

Kabelumbau-Stromwandler

V 1.1.0
2020 年1月15日

pdf
832.5 kB

Download

Engineering-Software

Configuration and Commissioning Software

WAGO Interface Configuration Software G2 FULL

1.0.8.6
2022 年1月20日

exe
114.0 MB

Download

The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-5101/500-000

URL

Download

Split-core current transformer; Primary rated current: 500 A; Secondary rated current: 1 A; Rated power: 0.5 VA; Accuracy class: 0.5

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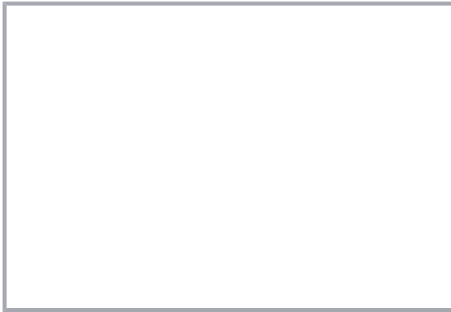
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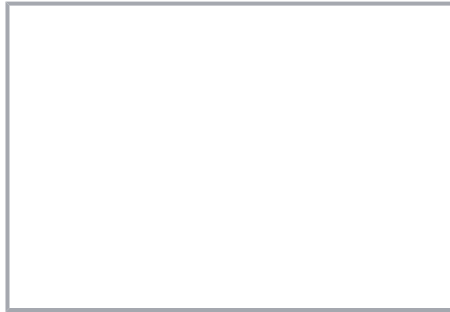


Installation Notes

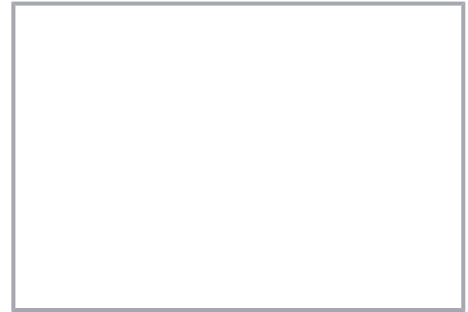
Installation



Simple termination!



Quick and easy mounting!



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