

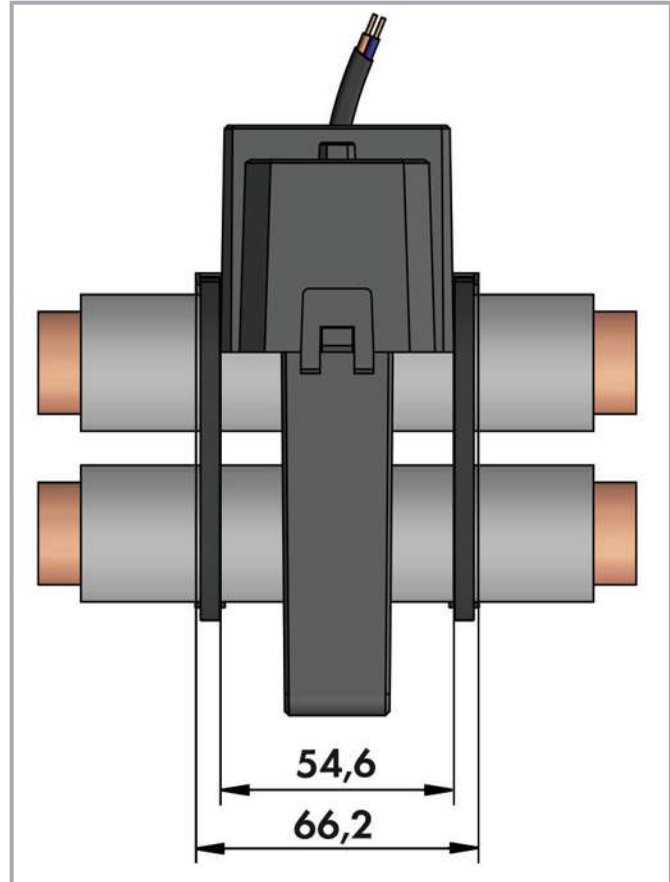
Data sheet | Item number: 855-5101/500-000

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



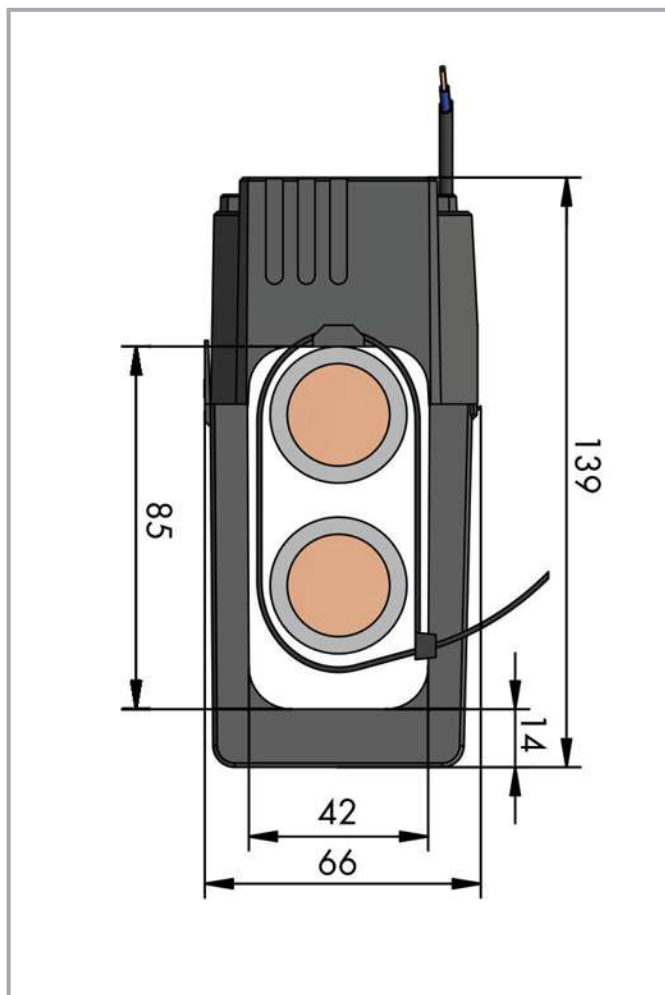
 Picture differs from the item.



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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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 measuring cable interruption
- Ideal for use in very confined spaces

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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



- Rapid mounting
- For use around insulated cables up to 42 mm diameter
- Compact and hinged
- Color-coded connecting 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
----------------	-----

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
--------------	-----------------------

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!

WAGO Corporation
 Germantown, WI 53022
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
 Email: info.us@wago.com | Web: www.wago.us

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

Physical data

Cable length	5 m
--------------	-----

Mechanical data

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

Material data

Insulation class	E
Flammability class per UL94	V2
Housing material	PA 66
Weight	790 g

Environmental requirements

Surrounding air 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

PU (SPU)	1 Stück
Packaging type	box
Country of origin	NL
GTIN	4055143950664
Customs tariff number	8504312000

Optional accessories

General accessories



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

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



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 Jan 15	pdf 832.5 kB	Download
-------------------------	------------------------	-----------------	----------

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 Apr 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 Apr 8	30.0 MB	

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		

Installation Notes

Installation

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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



Simple termination!



Quick and easy mounting!



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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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