

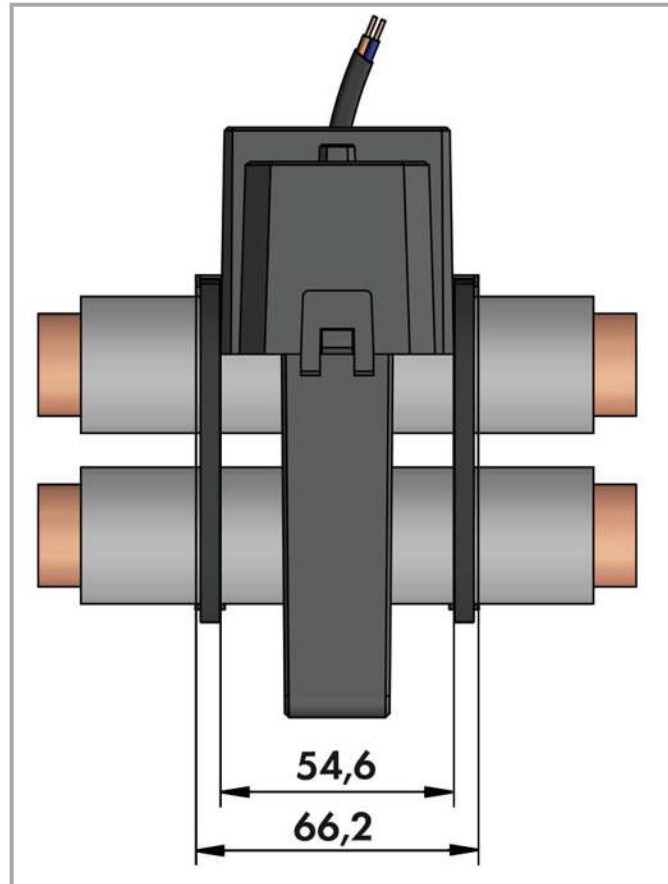
**Data sheet | Item number: 855-5105/800-000**

Split-core current transformer; Primary rated current: 800 A; Secondary rated current: 5 A; Rated power: 0.5 VA; Accuracy class: 0.5

[www.wago.com/855-5105\\_800-000](http://www.wago.com/855-5105_800-000)



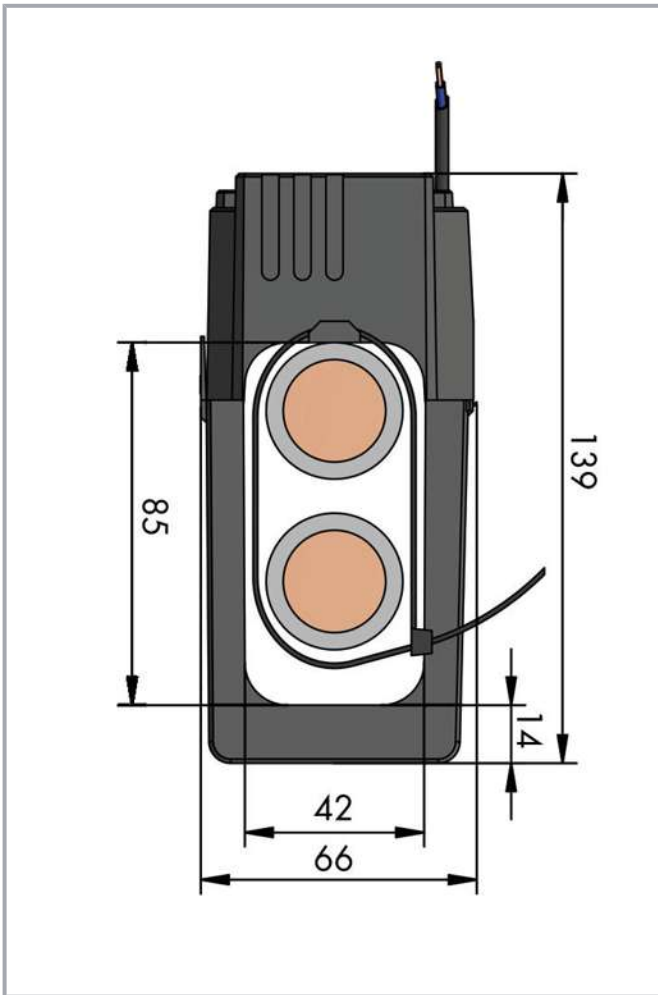
Picture differs from the item.



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](mailto:info.us@wago.com) | Web: [www.wago.us](http://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 800 A (primary side) and 5 A (secondary side)
- No measuring cable interruption
- Ideal for use in very confined spaces

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- Rapid mounting
- For use around insulated cables up to 42 mm diameter
- Compact and hinged
- Color-coded connecting cable 3 m

## Data

### Technical data

#### Input – current transformer

|  |                               |
|--|-------------------------------|
| Primary rated current                      | 800 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 | 5 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 <sub>rms</sub> |
| 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 1.5 mm <sup>2</sup> ; fine-stranded |
| Color code                            | black = S1; red = S2                    |

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## Physical data

|              |     |
|--------------|-----|
| Cable length | 3 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                      | 600 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<br>EN 61869-2 |

## Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 Stück       |
| Packaging type        | box           |
| Country of origin     | NL            |
| GTIN                  | 4055143950855 |
| 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](http://www.wago.com/857-551)

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



## Downloads

### Documentation

#### Bid Text

|              |                 |          |
|--------------|-----------------|----------|
| X81 - Datei  | xml<br>5.5 kB   | Download |
| docx - Datei | docx<br>16.2 kB | Download |

#### Instruction Leaflet

|                         |                        |                 |          |
|-------------------------|------------------------|-----------------|----------|
| Kabelumbau-Stromwandler | V 1.1.0<br>2020 Jan 15 | pdf<br>832.5 kB | Download |
|-------------------------|------------------------|-----------------|----------|

## Engineering-Software

### Software for Interface-Products

|   |                       |                 |          |
|---|-----------------------|-----------------|----------|
| WAGO Interface Configuration Software G2 SMALL<br>The full setup only includes the WAGO Interface Configuration Software G2.  | 1.0.7.9<br>2021 Apr 8 | exe<br>30.0 MB  | Download |
| WAGO Interface Configuration Software G2 FULL<br>The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework. | 1.0.7.9<br>2021 Apr 8 | exe<br>114.0 MB | Download |

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 855-5105/800-000<br>Split-core current transformer; Primary rated current: 800 A; Secondary rated current: 5 A; Rated power: 0.5 VA; Accuracy class: 0.5 | URL | Download |
|---|-----|----------|

## Installation Notes

### Installation

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Simple termination!



Quick and easy mounting!



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