

## Data sheet | Item number: 855-305/150-501

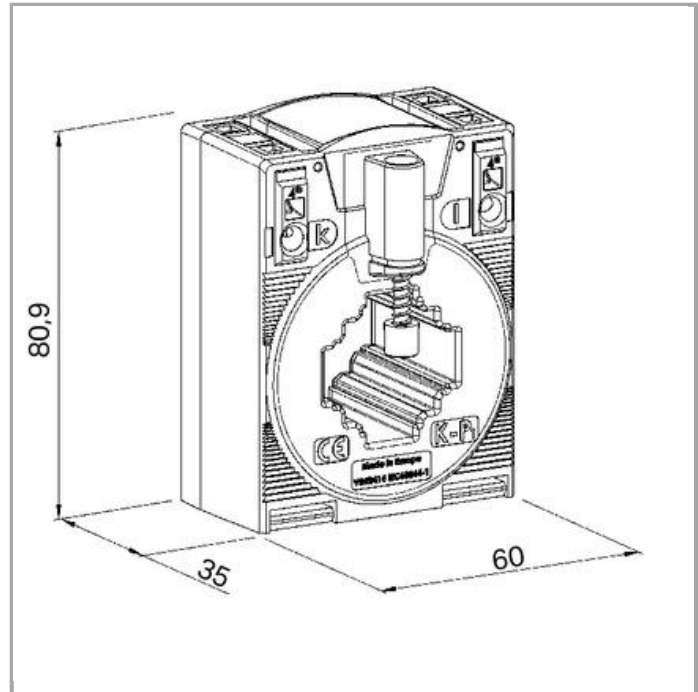
Plug-in current transformer; Primary rated current: 150 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 1

[www.wago.com/855-305/150-501](http://www.wago.com/855-305/150-501)



RoHS  
Compliant

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### Item description

#### Short description:

The 855 Series Plug-In Current Transformers are inductive, single-conductor current transformers. Due to the measurement principle used, these current transformers are exclusively designed for AC network applications.

#### Features:

- Screwless CAGE CLAMP® connection technology
- Several mounting options available
- Vibration- and shock-resistant
- High mechanical retention forces
- High current-carrying capacity
- Continuous overload of 120 % the nominal primary current
- Low-voltage current transformer for operating voltages up to max. 1.2 kV
- Can be used in 690 V power networks



- UL recognized components

## Data

### Technical Data

#### Input – current transformer

|                                            |                                                         |
|--------------------------------------------|---------------------------------------------------------|
| Primary rated current                      | 150 A                                                   |
| Rated continuous thermal current $I_{cth}$ | $1.2 \times I_N$                                        |
| Rated short-time thermal current $I_{th}$  | $60 \times I_N / 1 \text{ s}$ (max. 100 kA/1 s)         |
| Overcurrent limiting factor                | FS5 / FS10 (type dependent, see type plate inscription) |
| Rated frequency                            | 50 ... 60 Hz                                            |

#### Output – Current transformer

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Secondary rated current             | 5 A                               |
| Rated power $S_r$                   | 5 VA                              |
| Highest voltage for equipment $U_m$ | $1.2 \text{ kV}_{rms} \text{ AC}$ |

#### Measurement error

|                |   |
|----------------|---|
| Accuracy class | 1 |
|----------------|---|

#### Safety and protection:

|              |                     |
|--------------|---------------------|
| Test voltage | 6 kV AC; 50Hz; 1min |
|--------------|---------------------|

#### Connection data

|                         |                                            |
|-------------------------|--------------------------------------------|
| Connection technology   | CAGE CLAMP®                                |
| Solid conductor         | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length            | 9 ... 10 mm / 0.35 ... 0.39 Inch           |

#### Geometrical Data

|        |                      |
|--------|----------------------|
| Width  | 60 mm / 2.362 inch   |
| Height | 80.9 mm / 3.185 inch |
| Depth  | 52 mm / 2.047 inch   |

#### Mechanical data

|                  |                                                            |
|------------------|------------------------------------------------------------|
| Type of mounting | Current transformers (closed)<br>Secured to mounting plate |
|------------------|------------------------------------------------------------|

Mounting on carrier rail via carrier rail adapter  
Mounting on round cable

## Material Data

|                  |       |
|------------------|-------|
| Insulation class | E     |
| Weight           | 313 g |

## Environmental Requirements

|                                         |               |
|-----------------------------------------|---------------|
| Surrounding air (operating) temperature | -5 ... 50 °C  |
| Surrounding air (storage) temperature   | -25 ... 70 °C |
| Max. operating altitude                 | 1000 m        |

## Standards and specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Conformity marking       | CE                                  |
| Standards/specifications | EN 61869-1; EN 61869-2; UL: E356480 |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821749349 |
| Customs Tariff No. | 85043129900   |

## Approvals / Certificates

### UL-Approvals

| Logo                                                                               | Approval                                   | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------------|------------------|
|  | UL<br>UL Multiple Listings Project Handler | E356480          |

## Compatible products

### assembling

|                                                                                    |                                            |                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 855-9900<br>Carrier rail adapter | <a href="http://www.wago.com/855-9900">www.wago.com/855-9900</a> |
|  | Item no.: 855-9910<br>Quick-mount kit      | <a href="http://www.wago.com/855-9910">www.wago.com/855-9910</a> |

### tools

|                                                                                    |                                                                                                  |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | Item no.: 210-720<br>Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

## General accessories

|                                                                                  |                                                                                                                                                                                                                  |                                                                    |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | <b>Item no.: 2007-8873</b><br>Compact terminal block; for current and voltage transformers                                                                                                                       | <a href="http://www.wago.com/2007-8873">www.wago.com/2007-8873</a> |
|  | <b>Item no.: 2007-8874</b><br>Compact terminal block; for current and voltage transformers                                                                                                                       | <a href="http://www.wago.com/2007-8874">www.wago.com/2007-8874</a> |
|  | <b>Item no.: 2007-8875</b><br>Compact terminal block; for current transformer circuit                                                                                                                            | <a href="http://www.wago.com/2007-8875">www.wago.com/2007-8875</a> |
|  | <b>Item no.: 2007-8876</b><br>Compact terminal block; for 3-phase current transformer circuit                                                                                                                    | <a href="http://www.wago.com/2007-8876">www.wago.com/2007-8876</a> |
|  | <b>Item no.: 2007-8877</b><br>Compact terminal block; for current transformer circuit                                                                                                                            | <a href="http://www.wago.com/2007-8877">www.wago.com/2007-8877</a> |
|  | <b>Item no.: 857-550</b><br>Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width           | <a href="http://www.wago.com/857-550">www.wago.com/857-550</a>     |
|  | <b>Item no.: 857-569</b><br>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 | <a href="http://www.wago.com/857-569">www.wago.com/857-569</a>     |

## Downloads

## Documentation

## Additional Information

|                                                          |              |          |
|----------------------------------------------------------|--------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | Oct 15, 2018 | Download |
|                                                          |              | 265.8 kB |

## Engineering-Software

## Software for Interface-Products

|                                                                                                                                       |             |         |          |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|----------|
| Interface Configuration Software SMALL                                                                                                | 1.5.4.6     | EXE     | Download |
| The full setup only includes the WAGO Interface Configuration Software.                                                               | Jan 8, 2018 | 46.0 MB |          |
| Interface Configuration Software FULL                                                                                                 | 1.5.4.6     | EXE     | Download |
| The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework. | Jan 8, 2018 | 96.5 MB |          |

## smartDATA

## CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 855-305/150-501 | URL | Download |
|-----------------------------|-----|----------|



Subject to changes.

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