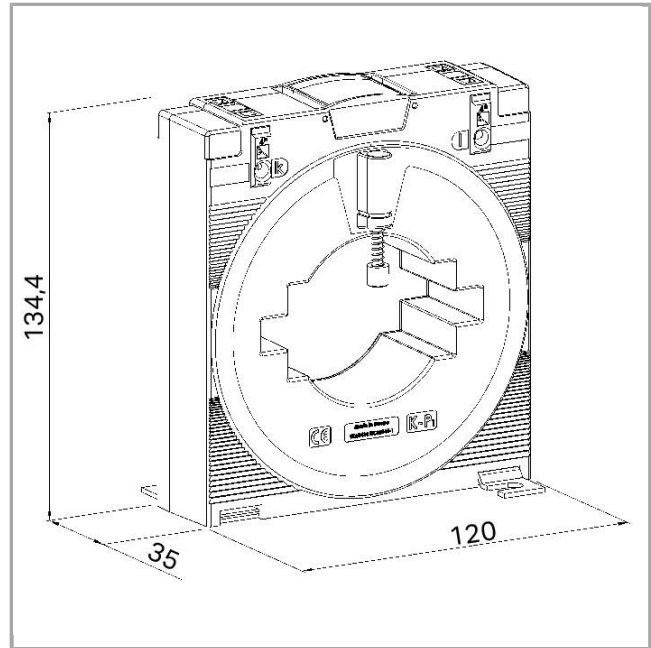


## Data sheet | Item number: 855-805/2000-1001

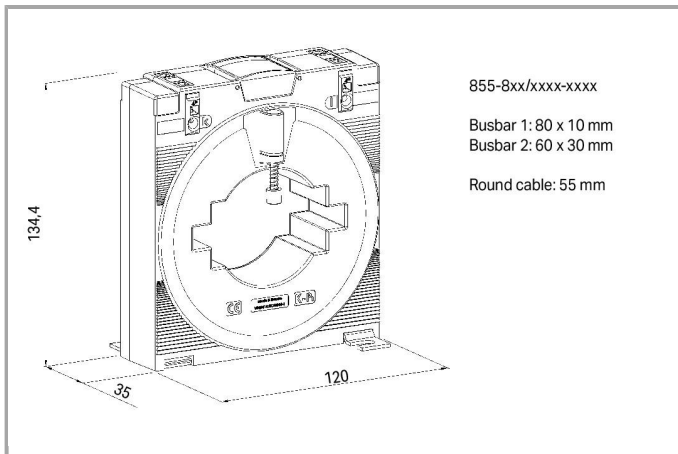
Plug-in current transformer; Primary rated current: 2000 A; Secondary rated current: 5 A; Rated power: 10 VA; Accuracy class: 1



855-805/2000-1001



RoHS  Compliant 



### 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                      | 2000 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

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Highest voltage for equipment $U_m$ | $1.2 \text{ kV}_{rms} \text{ AC}$ |
| Secondary rated current             | 5 A                               |
| Rated power $S_r$                   | 10 VA                             |

##### Measurement error

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

##### Safety and protection:

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Highest voltage for equipment $U_m$ | $\text{AC } 1.2 \text{ kV}_{rms}$ |
| Test voltage                        | AC 6 kV; 50 Hz; 1 min             |



## Connection data

|                         |                                  |
|-------------------------|----------------------------------|
| Connection technology   | CAGE CLAMP®                      |
| Solid conductor         | 0.08 ... 4 mm² / 28 ... 12 AWG   |
| Fine-stranded conductor | 0.08 ... 4 mm² / 28 ... 12 AWG   |
| Strip length            | 9 ... 10 mm / 0.35 ... 0.39 inch |

## Geometrical Data

|        |                       |
|--------|-----------------------|
| Width  | 120 mm / 4.724 inch   |
| Height | 134.4 mm / 5.291 inch |
| Depth  | 52 mm / 2.047 inch    |

## Mechanical data

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

## Material Data

|                  |       |
|------------------|-------|
| Insulation class | E     |
| Weight           | 396 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       | 1                                   |
| Standards/specifications | EN 61869-1; EN 61869-2; UL: E356480 |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143262996 |
| Customs Tariff No. | 85043129900   |

## Approvals / Certificates

### UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|



UL  
Underwriters Laboratories Inc.

-

E356480

## Compatible products

### assembling



Item no.: 855-9910  
Quick-mount kit

855-9910

### General accessories



Item no.: 2007-8873  
Compact terminal block; for current and voltage transformers

2007-8873



Item no.: 2007-8874  
Compact terminal block; for current and voltage transformers

2007-8874



Item no.: 2007-8875  
Compact terminal block; for current transformer circuit

2007-8875



Item no.: 2007-8876  
Compact terminal block; for 3-phase current transformer circuit

2007-8876



Item no.: 2007-8877  
Compact terminal block; for current transformer circuit

2007-8877



Item no.: 2857-570/024-005  
3-Phase Power Measurement Module; 3x400/690 V/5 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

2857-570



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

857-550



Item no.: 857-569  
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

857-569

### tools



Item no.: 210-720  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

## Downloads

### Documentation

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf  
265.8 kB

Download



Engineering-Software

Software for Interface-Products

|                                                                                                                                       |              |         |          |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|----------|
| Interface Configuration Software SMALL                                                                                                | 1.6.2.11     | exe     | Download |
| The full setup only includes the WAGO Interface Configuration Software.                                                               | Jan 14, 2019 | 47.1 MB |          |
| Interface Configuration Software FULL                                                                                                 | 1.6.2.11     | exe     | Download |
| The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework. | Jan 14, 2019 | 97.5 MB |          |

CAD/CAE - Smart Data

CAD data

|  |     |          |
|--|-----|----------|
|  | URL | Download |
|--|-----|----------|

Subject to changes.