# Data Sheet | Item Number: 855-2701/064-001

Plug-in current transformer; Primary rated current: 64 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 1

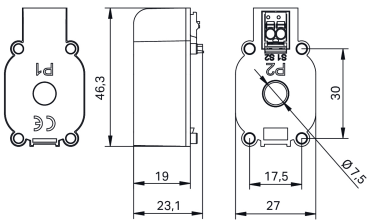
https://www.wago.com/855-2701/064-001



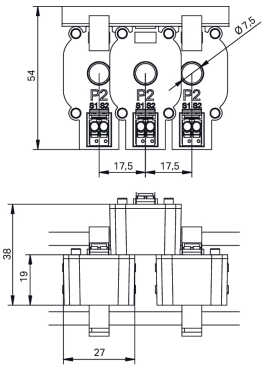







Dimensions in mm




Dimensions in mm

**Short description:**

WAGO's plug-in current transformers (855 Series) are inductive, single-conductor current transformers. Due to the measurement principle used, these current transformers are exclusively designed for AC network applications.

**Features:**

- All-new design with *picoMAX*® connection technology
- Ready for space-restricted applications

- Simple assembly permits 17.5 mm phase spacing, allowing perfect adjustment to any circuit breaker.
- Easily mount on DIN-rail or panels via DIN-rail adapter (855-9927)
- Convert current from 64 A or 35 A to 1 A
- Accuracy class: 1

## Technical data

### Input

| | |
|---|---|
| Measured variable | Current |

### Input – current transformer

| | |
|---|---|
| Rated continuous thermal current $I_{cth}$ | 100 % |
| Rated short-time thermal current $I_{th}$ | 60 x $I_N$ / 1 s |
| Rated surge current $I_{dyn}$ | 2.5 x $I_{th}$ |
| Rated frequency | 50 … 60 Hz |
| Primary rated current | 64 A |

### Output – current transformer

| | |
|---|---|
| Secondary rated current | 1 A |
| Rated power $S_r$ | 0.2 VA |

### Measurement Error

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

## Safety and protection

| | |
|---|---|
| Protection type | IP20 |
| Test voltage | 3 kVAC; 50 Hz; 1 min |
| Highest voltage for equipment $U_m$ | 720 $V_{rms}$AC |

## Connection Data

| | |
|---|---|
| Feedthrough for measurement conductor | Ø 7.5 mm |

### Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| WAGO connector | *picoMAX*® 3.5, 2091-1122 |
| Strip length | 8 … 9 mm / 0.31 … 0.35 inches |
| Solid conductor | 0.2 … 1.5 mm² / 24 … 14 AWG |
| Fine-stranded conductor | 0.2 … 1.5 mm² / 24 … 14 AWG |

## Physical data

| | |
|---|---|
| Width | 27 mm / 1.063 inches |
| Height | 46 mm / 1.811 inches |
| Depth | 23 mm / 0.906 inches |

## Mechanical data

| | |
|---|---|
| Mounting type | Closed current transformer<br>Mounting on DIN-rail via DIN-rail adapter<br>Installation on round cable |


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## Material data

| | |
|---|---|
| Insulation class | E |
| Housing material | PA 66 |
| Weight | 44 g |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation) | -10 … +55 °C |
| Ambient 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<br>UL |

## Commercial data

| | |
|---|---|
| PU (SPU) | 15 (1) pcs |
| Packaging type | Box |
| Country of origin | NL |
| Customs tariff number | 85043129900 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121032 |
| eCl@ss 10.0 | 27-21-09-02 |
| eCl@ss 9.0 | 27-21-09-02 |
| ETIM 9.0 | EC002048 |
| ETIM 10.0 | EC002048 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| EAC<br>GZO Almaty Standart | TP TC 004/2011 | EAC CoC 03082 |
| UL<br>Underwriters Laboratories Inc. | IEEE C57.13 | E356480 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |


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## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 855-2701/064-001

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 855-2701/064-001 | 19.02.2019 | xml 5.16 KB |
| 855-2701/064-001 | 21.07.2015 | doc 31.00 KB |

**Instruction Leaflet**

| | |
|---|---|
| Aufsteck-Stromwandler mit picoMAX - Steck-verbinder | pdf 320.75 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 855-2701/064-001

**CAE data**

EPLAN Data Portal 855-2701/064-001

WSCAD Universe 855-2701/064-001

ZUKEN Portal 855-2701/064-001

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Installation

##### 1.1.1.1 Current transformer terminal block



Item No.: 2007-8876
Compact terminal block; for 3-phase current transformer circuit; 6,00 mm²; multicoloured



Item No.: 2007-8873
Compact terminal block; for current and voltage transformers; 6,00 mm²; multi-coloured



Item No.: 2007-8874
Compact terminal block; for current and voltage transformers; 6,00 mm²; multi-coloured



Item No.: 2007-8875
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured



Item No.: 2007-8877
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured


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### 1.1.2 Mounting adapter

#### 1.1.2.1 DIN-rail adapter



Item No.: 855-9927
Carrier rail adapter

### 1.1.3 Signal conditioner

#### 1.1.3.1 Current Signal Conditioner



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; 2,50 mm²

#### 1.1.3.2 Power Measurement Module



Item No.: 2857-570/024-001
3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

### 1.1.4 Tool

#### 1.1.4.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

## Installation Notes

### Conductor termination



Push-in termination of solid conductors and fine-stranded conductors with ferrules



Universal connection for fine-stranded conductors


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## Installation



Just slide together.



To save space, mount directly above the circuit breaker.



Mounting on DIN-rail via 855-9927 DIN-Rail Adapter