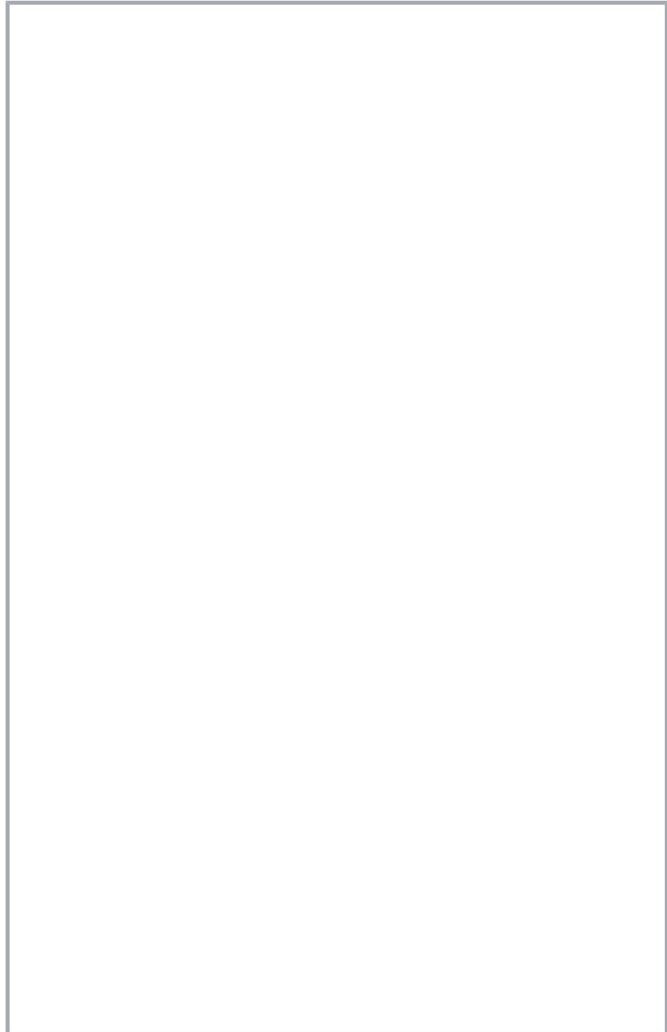
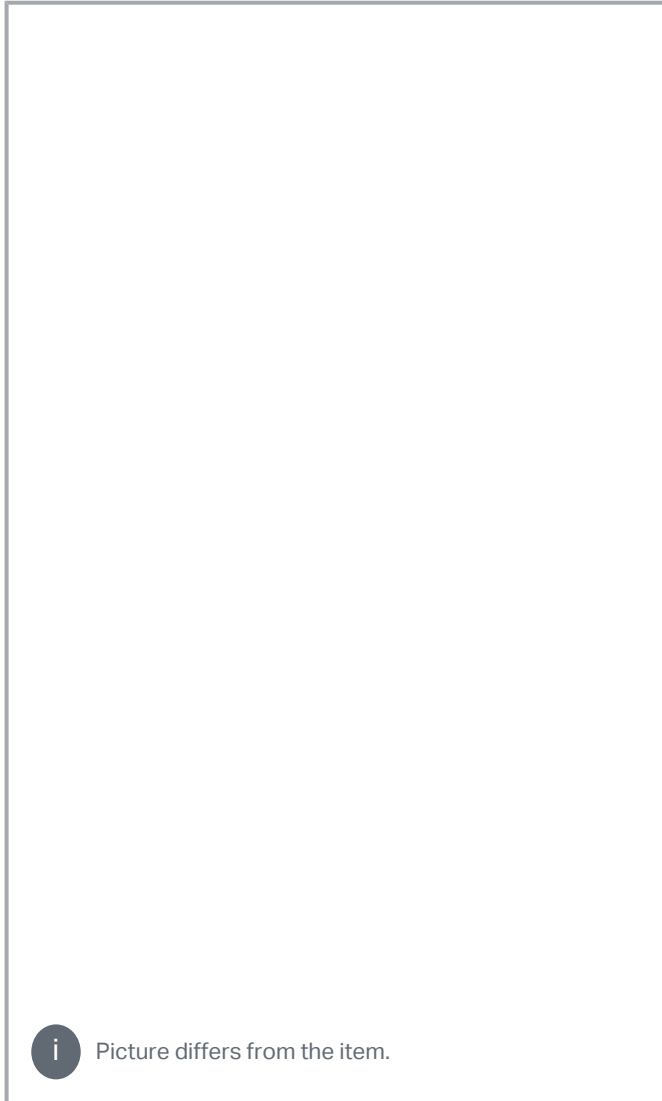


Data sheet | Item number: 855-305/075-201

Plug-in current transformer; Primary rated current: 75 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 1



www.wago.com/855-305/075-201



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

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Item description

Short description:

These plug-in units (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:

- Screwless CAGE CLAMP[®] connection technology
- Several mounting options available
- Vibration- and shock-resistant
- High mechanical retention forces
- High current-carrying capacity

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



- Continuous overload of 120% the nominal primary current
- Low-voltage current transformer for operating voltages up to max. 1.2 kV
- For 690 V power networks
- UL recognized components

Data

Technical data

Input – current transformer

| | |
|--|---|
| Primary rated current | 75 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 | 2.5 VA |

Measurement error

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

Safety and protection

| | |
|-------------------------------------|--------------------------|
| Highest voltage for equipment U_m | AC 1.2 kV _{rms} |
|-------------------------------------|--------------------------|

Test voltage

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

Connection data

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

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Physical data

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

Mechanical data

| | |
|---------------|---|
| Mounting type | Installation on round cable Closed current transformer Installation on mounting plate Mounting on DIN-rail via DIN-rail adapter Mounting on round cable |
|---------------|---|

Material data

| | |
|------------------|-------|
| Insulation class | E |
| Weight | 303 g |

Environmental requirements

| | |
|---------------------------------------|----------------|
| Ambient temperature (operation) | -5 ... +50 °C |
| Surrounding air temperature (storage) | -25 ... +70 °C |
| Operating altitude (max.) | 1000 m |

Standards and specifications

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


Commercial data

| | |
|-------------------------------------|---------------|
| eCl@ss 10.0 | 27-21-09-02 |
| eCl@ss 9.0 | 27-21-09-02 |
| ETIM 8.0 | EC002048 |
| ETIM 7.0 | EC002048 |
| PU (SPU) | 1 Stück |
| Packaging type | box |
| Country of origin VKOrg Germany | HU |
| GTIN | 4050821749325 |
| Customs tariff number VKOrg Germany | 85043129900 |


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

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------------|-------------------------------------|
|  | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011, TP TC 020/2011 | EAC RU C-DE.AM02. B.00111 /19 |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. | - | E356480 |

Optional accessories

Signal conditioner

| | | | |
|----------------------------|--|--|--|
| Power measurement module | | | |
| | Item no.: 2857-570/024-005 3-Phase Power Measurement Module; 3x277/480 V/5 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC | | www.wago.com/2857-570/024-005 |
| 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 mm ² | | www.wago.com/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 | | www.wago.com/857-569 |
| | 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 |

Tool

| | | | |
|----------------|--|--|--|
| Operating tool | | | |
| | Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | | www.wago.com/210-720 |

Mounting adapter

| | | | |
|-------------------------|--|--|--|
| Fast connection adapter | | | |
| | Item no.: 855-9910 Quick-mount kit | | www.wago.com/855-9910 |

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



| | | |
|--|--|--|
| DIN-rail adapter | | |
| Item no.: 855-9900 Carrier rail adapter | | www.wago.com/855-9900 |
| Mounting | | |
| Current transformer terminal block | | |
| Item no.: 2007-8874 Compact terminal block; for current and voltage transformers; 6,00 mm ² ; multicoloured | | www.wago.com/2007-8874 |
| Item no.: 2007-8877 Compact terminal block; for current transformer circuit; 6,00 mm ² ; multicoloured | | www.wago.com/2007-8877 |
| Item no.: 2007-8875 Compact terminal block; for current transformer circuit; 6,00 mm ² ; multicoloured | | www.wago.com/2007-8875 |
| Item no.: 2007-8876 Compact terminal block; for 3-phase current transformer circuit; 6,00 mm ² ; multicoloured | | www.wago.com/2007-8876 |
| Item no.: 2007-8873 Compact terminal block; for current and voltage transformers; 6,00 mm ² ; multicoloured | | www.wago.com/2007-8873 |

Downloads

Documentation

Bid Text

| | | | |
|--------------------------------|--------------|----------------|----------|
| 855-305/075-201 X81 - Datei | 2019 年2月19 日 | xml 5.1 kB | Download |
| 855-305/075-201 doc - Datei | 2015 年2月5 日 | doc 31.7 kB | Download |

Instruction Leaflet

| | | | |
|-----------------------|--|---------------|----------|
| Aufsteck-Stromwandler | | pdf 1.5 MB | Download |
|-----------------------|--|---------------|----------|

Additional Information

| | | | |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|--|---------|-----------------|----------|

Engineering-Software

Configuration and Commissioning Software

| | | | |
|---|---------|-----|----------|
| WAGO Interface Configuration Software G2 FULL | 1.0.8.6 | exe | Download |
|---|---------|-----|----------|

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The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.

2022 年1月20 日

114.0 MB

WAGO Interface Configuration Software G2 SMALL

1.0.8.6

exe

Download

The full setup only includes the WAGO Interface Configuration Software G2.

2022 年1月20 日

30.0 MB

CAD/CAE-Data

CAE data

EPLAN Data Portal 855-305/075-201

URL

Download

WSCAD Universe 855-305/075-201

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ZUKEN Portal 855-305/075-201

URL

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Plug-in current transformer; Primary rated current: 75 A; Secondary rated current: 5 A; Rated power: 2.5 VA; Accuracy class: 1

Installation Notes

Conductor termination

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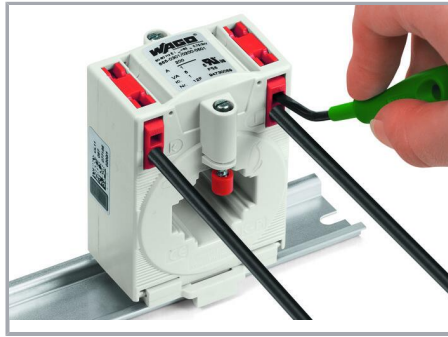
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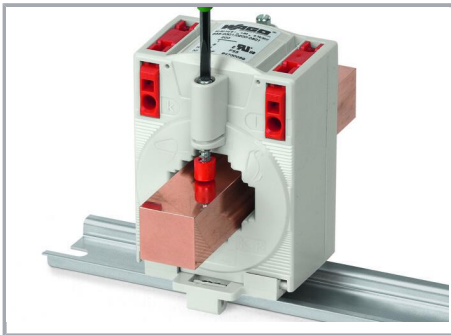


Conductor termination – screwdriver actuation perpendicular to conductor entry

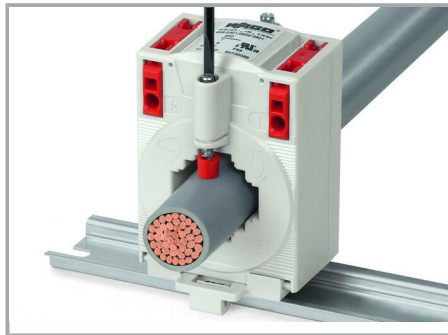


Conductor termination – screwdriver actuation parallel to conductor entry

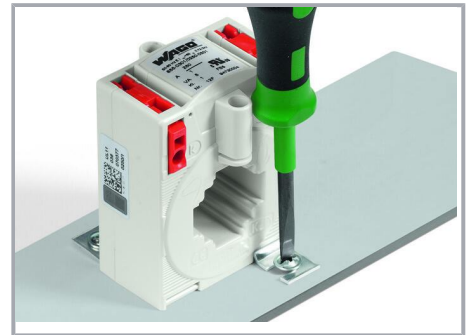
Installation



Installation on copper current bar



Installation on round cable



Installation on mounting plate



Mounting on DIN-rail via 855-9900 DIN-Rail Adapter



Installation via 855-9910 Quick-Mount Kit

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