

Dimensions in mm

**Short description:**

WAGO's Voltage Taps serve as busbar taps for measuring L- or N-conductors and are equipped with an integrated SIBA fuse with indicator. The built-in fuse is located directly above the voltage-carrying busbar. In the event of an overload and short circuit, the downstream measurement unit is safely disconnected before major damage occurs.

The voltage taps can be mounted directly on the busbar. Clamp mount via Allen screw is performed using an insulated Allen wrench and provides an excellent contact between the busbar and the fuse. This ensures high operational safety and short-circuit protection.

The measurement line is connected via Push-in CAGE CLAMP®, the universal connection technology for all conductor types that provides the simplicity of push-in terminations. Rigid conductors, such as solid and stranded conductors, as well as fine-stranded conductors with ferrules, can be terminated by simply pushing them in – no operating tool needed. The connection unit with a fuse and Push-in CAGE CLAMP® rotates ( $\pm 120^\circ$ ). This creates additional added value by directly guiding subsequent wiring into the cable channel.

In addition, the voltage taps can be labeled with two different marking options. **Features:**

- Fuse-protected voltage tap for measurement purposes
- Safe protection through integrated fuse with indicator (measurement line/device)
- WAGO push-in termination technology
- WAGO labeling options (WMB markers or marking strips)

**Notes**

Note Spare fuse: WAGO 855-8020

**Technical data**

| Input             |         | Output – voltage tap |   |
|-------------------|---------|----------------------|---|
| Measured variable | Voltage | Fuse (voltage path)  | 2 A; 450 V; F; 70 kA; 5 x 25 mm (WAGO 855-8020) |
|                   |         | Rated voltage        | AC 400 V  |

**Connection data**

|                         |       |                                 |   |
|-------------------------|-------|---------------------------------|---|
| Busbar thickness (min.) | 4 mm  | <b>Connection object type 1</b> |   |
| Busbar thickness (max.) | 15 mm | Connection technology           | Push-in CAGE CLAMP®                       |
|                         |       | WAGO connector                  | WAGO 2624 Series                          |
|                         |       | Strip length                    | 10 ... 12 mm / 0.39 ... 0.47 inches       |
|                         |       | Solid conductor                 | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
|                         |       | Fine-stranded conductor         | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |

### Physical data

|        |                      |
|--------|----------------------|
| Width  | 79 mm / 3.11 inches  |
| Height | 15 mm / 0.591 inches |
| Depth  | 72 mm / 2.835 inches |

### Mechanical data

|               |                                       |
|---------------|---------------------------------------|
| Mounting type | Clamp mount<br>Installation on busbar |
|---------------|---------------------------------------|

### Material data

|           |       |
|-----------|-------|
| Fire load | 0 MJ  |
| Weight    | 160 g |

### Environmental requirements

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Ambient temperature (operation) | -25 ... +70 °C                    |
| Ambient temperature (storage)   | -40 ... +85 °C                    |
| Relative humidity               | 5 ... 85 % (without condensation) |
| Operating altitude (max.)       | 2000 m                            |

### Standards and specifications

|                          |               |
|--------------------------|---------------|
| Standards/specifications | IEC 60947-7-3 |
|--------------------------|---------------|

### Commercial data


|                       |             |
|-----------------------|-------------|
| eCl@ss 10.0           | 27-14-11-92 |
| eCl@ss 9.0            | 27-14-11-92 |
| ETIM 8.0              | EC002848    |
| ETIM 7.0              | EC002848    |
| PU (SPU)              | 1 pcs       |
| Packaging type        | Bag         |
| Country of origin     | NL          |
| Customs tariff number | 85366990990 |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals

|  |                                   |                                 |
|--|-----------------------------------|---------------------------------|
| Approval   | Standard                          | Certificate Name                |
| EAC<br>Brjansker Zertifizierungs-<br>stelle  | TP TC 004/2011, TP TC<br>020/2011 | EAC RU C-DE.AM02.<br>B.00111/19 |

#### Declarations of conformity and manufacturer's declarations

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

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 855-8015



## Documentation

### Bid Text

|          |            |                  |  |
|----------|------------|------------------|--|
| 855-8015 | 19.02.2019 | xml<br>4.75 KB   |  |
| 855-8015 | 20.02.2019 | docx<br>17.41 KB |  |

### Instruction Leaflet

|                   |         |                  |  |
|-------------------|---------|------------------|--|
| Potentialabgriffe | V 1.0.0 | pdf<br>719.27 KB |  |
|-------------------|---------|------------------|--|

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Fuse

##### 1.1.1.1 Fuse



**Item No.: 855-8020**

Miniature fuse; 5 x 25 mm; with indicator

#### 1.1.2 Installation

##### 1.1.2.1 Current transformer terminal block



**Item No.: 2007-8876**

Compact terminal block; for 3-phase current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8873**

Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8874**

Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8875**

Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8877**

Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

#### 1.1.3 Signal conditioner

##### 1.1.3.1 Current signal conditioner



**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

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

**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

**Item No.: 2857-570/024-000**

3-Phase Power Measurement Module; 3x277/480 V/RC; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

**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

1.1.3.3 Voltage signal conditioner



**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

**Item No.: 857-560**

Voltage signal conditioner; Voltage input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width

1.1.4 Tool

1.1.4.1 Operating tool

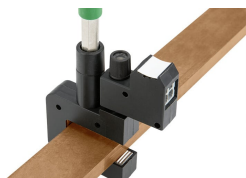


**Item No.: 855-8000**

Allen wrench; with a partially insulated shaft

Installation Notes

Installation



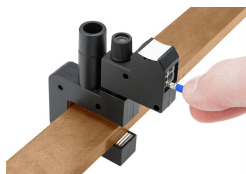
Installation on busbar; fastening with Allen wrench

Installation



Integrated SIBA fuse (overload and short circuit protection)

Installation



Push-in CAGE CLAMP® connection technology