

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. Mounting is performed via M6 screw.

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

Connection Data

Connection 1

| | |
|-------------------------|---|
| 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 ² / 24 ... 10 AWG |
| Fine-stranded conductor | 0.2 ... 6 mm ² / 24 ... 10 AWG |

Physical data

| | |
|--------|----------------------|
| Width | 57 mm / 2.244 inches |
| Height | 14 mm / 0.551 inches |
| Depth | 48 mm / 1.89 inches |

Mechanical data

| | |
|---------------|------------------------|
| Mounting type | M6 mount |
| Mounting type | Installation on busbar |

Material data

| | |
|-----------|------|
| Fire load | 0 MJ |
| Weight | 30 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

| | |
|-----------------------|-------------|
| PU (SPU) | 1 pcs |
| Packaging type | Bag |
| Country of origin | NL |
| Customs tariff number | 85366990990 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121410 |
| eCl@ss 10.0 | 27-14-11-92 |
| eCl@ss 9.0 | 27-14-11-92 |
| ETIM 9.0 | EC002848 |
| ETIM 10.0 | EC002848 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|----------------------------|----------------|------------------|--|----------|------------------|
| | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| EAC GZO Almaty Standart | TP TC 004/2011 | EAC CoC 03082 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| Compliance Search | |
|---|-------------------|
| Environmental Product Compliance 855-8006 | ↓ |

Documentation

| Bid Text | | | | Instruction Leaflet | | | |
|----------|------------|------------------|-------------------|---------------------|---------|------------------|-------------------|
| 855-8006 | 19.02.2019 | xml 4.51 KB | ↓ | Potentialabgriffe | V 1.0.0 | pdf 719.27 KB | ↓ |
| 855-8006 | 20.02.2019 | docx 17.20 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 mm²; multicoloured



Item No.: 2007-8873

Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured



Item No.: 2007-8874

Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured



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

1.1.3 Signal conditioner

1.1.3.1 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

1.1.3.2 Voltage signal conditioner

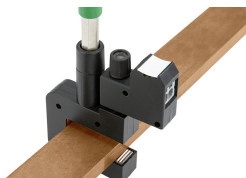


Item No.: 857-560

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

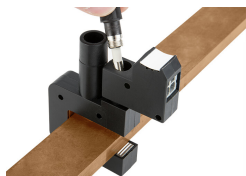
Installation Notes

Installation



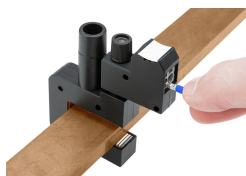
Installation on busbar; fastening with Allen wrench

Installation



Integrated SIBA fuse (overload and short circuit protection)

Installation



Push-in CAGE CLAMP® connection technology