

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 AC 400 V

### Connection data

#### Connection object type 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 <sup>2</sup> / 24 ... 10 AWG
Fine-stranded conductor	0.2 ... 6 mm <sup>2</sup> / 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 Installation on busbar
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### 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
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### 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
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### Approvals / Certificates

#### General approvals

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

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

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

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 855-8006



## Documentation

### Bid Text

855-8006	19.02.2019	xml 4.51 KB	
855-8006	20.02.2019	docx 17.20 KB	

### Instruction Leaflet

Potentialabgriffe	V 1.0.0	pdf 719.27 KB	
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## 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**

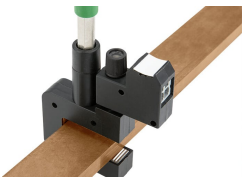
Power signal conditioner; Current and voltage input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width

**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

## Installation Notes

### Installation



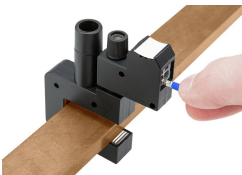
Installation on busbar; fastening with Allen wrench

### Installation



Integrated SIBA fuse (overload and short circuit protection)

### Installation



Push-in CAGE CLAMP® connection technology