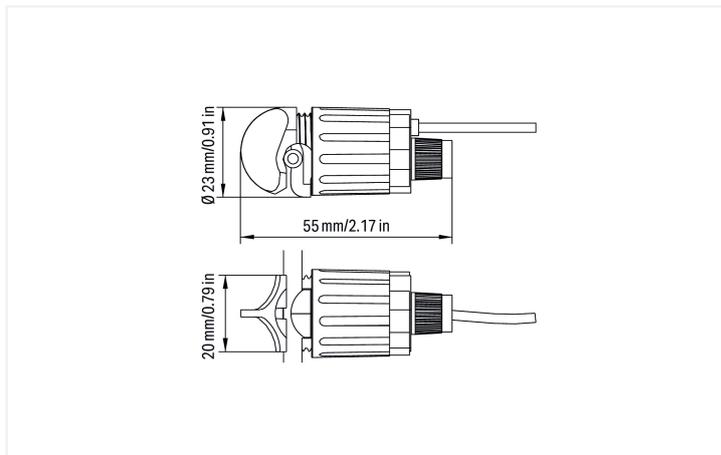


## Data Sheet | Item Number: 855-8001

Power tap; with fuse; 2,5 mm<sup>2</sup> (12 AWG) - 6 mm<sup>2</sup> (10 AWG); Phase

<https://www.wago.com/855-8001>



### Short description:

WAGO's Power Taps (855 Series) easily and safely tap the measurement voltage.

This allows a fuse-protected measurement voltage to be tapped from an insulated conductor with just one turn – no tools required.

### Features:

- Safely tap the measurement voltage with just one turn
- Tool-free assembly
- Secure mounting
- Cable length: 3 m

### Notes

Note Spare fuse: WAGO 855-8020

### Technical data

#### Input

Measured variable Voltage

#### Output – voltage tap

Continuous current (max.)	2 A
Fuse (voltage path)	2 A; 450 V; F; 70 kA; 5 x 25 mm (WAGO 855-8020)
Rated Voltage	400 VAC
Voltage drop	≤ 0.5 VAC

### Safety and protection

Rated impulse withstand voltage	6 kV
Overvoltage category	III
Pollution degree	2
Protection type	IP20
Test voltage	3 kVAC; 50 Hz; 1 min

## Connection Data

Feedthrough for measurement conductor	Ø 3 ... 5 mm	<b>Connection 1</b>	
Cable type	Secondary side: 1 x 1.0 mm <sup>2</sup> ; flexible; with ferrule	Connection technology	IDC connection
		Solid conductor	2.5 ... 6 mm <sup>2</sup> / 14 ... 10 AWG
		Fine-stranded conductor	2.5 ... 6 mm <sup>2</sup> / 14 ... 10 AWG

## Physical data

Cable length	3 m
Width	23 mm / 0.906 inches
Height	59 mm / 2.323 inches
Depth	23 mm / 0.906 inches

## Mechanical data

Mounting type	Insulation displacement connection
Mounting type	Mounting on insulated round cable
Torque range	1.5 ... 2 Nm
Usability	Can be reused several times (max. 24 times)

## Material data

Housing material	PA 66
Fire load	0 MJ
Weight	25.9 g

## Environmental requirements

Ambient temperature (operation)	-5 ... +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 60947-7-1

## Commercial data

PU (SPU)	10 (1) pcs
Packaging type	Box
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
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**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03082

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 855-8001	<a href="#">↓</a>
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**Documentation**

**Bid Text**

855-8001	19.02.2019	xml 4.98 KB	<a href="#">↓</a>
855-8001	20.02.2019	docx 17.21 KB	<a href="#">↓</a>

**Instruction Leaflet**

Potentialabgriffe	pdf 77.71 KB	<a href="#">↓</a>
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**CAD/CAE-Data**

**CAD data**

2D/3D Models 855-8001	<a href="#">↓</a>
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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 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 an insulated conductor with insulation displacement connection (IDC)



Integrated SIBA fuse to protect equipment and conductor