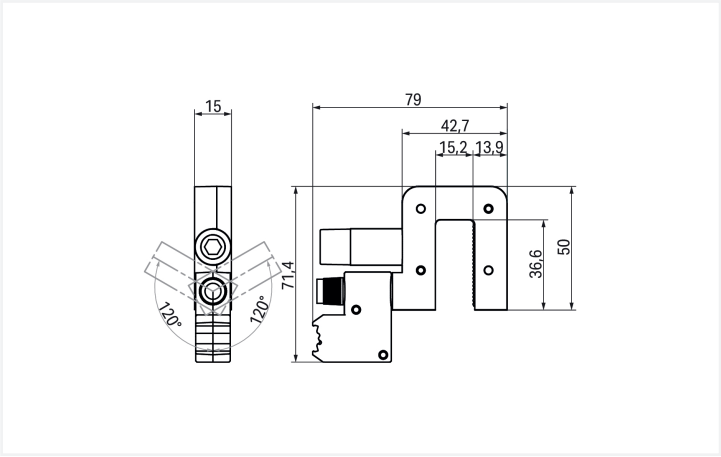
Data Sheet | Item Number: 855-8015

Power tap; for busbar; with fuse; Clamping connection

https://www.wago.com/855-8015





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 (±120 °). 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

Busbar thickness (min.)	4 mm
Busbar thickness (max.)	15 mm

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 mm² / 24 … 10 AWG
Fine-stranded conductor	0.2 … 6 mm² / 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
Mounting type	Installation on busbar

Material data

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

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

Product Classification

UNSPSC	39121613
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

Continued on next page

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

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

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-8015

Documentation

Bid Text

855-8015	19.02.2019	xml 4.75 KB
855-8015	20.02.2019	docx 17.41 KB

Instruction Leaflet

Potentialabgriffe	V 1.0.0	pdf 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 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

1.1.4 Tool

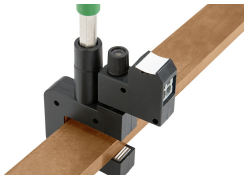
1.1.4.1 Operating tool



Item No.: 855-8000
Allen wrench; with a partially insulated shaft

Installation Notes

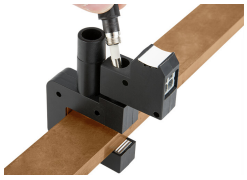
Installation



Installation on busbar; fastening with Allen wrench

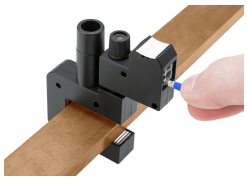
Continued on next page

Installation



Integrated SIBA fuse (overload and short circuit protection)

Installation



Push-in CAGE CLAMP® connection technology