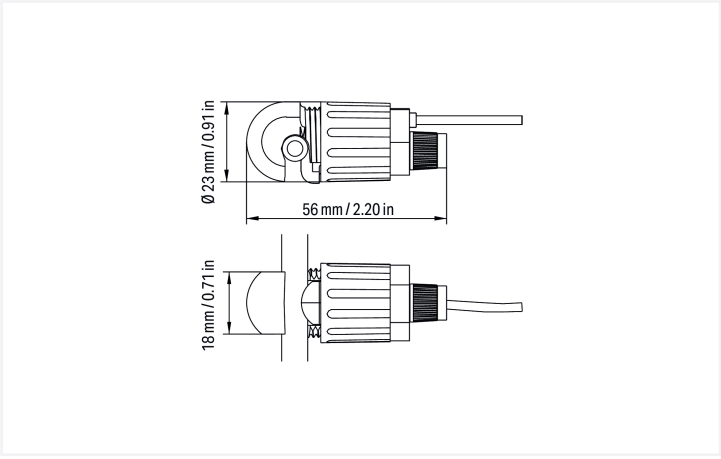
Data Sheet | Item Number: 855-8003

Power tap; with fuse; 10 mm² (8 AWG) - 16 mm² (6 AWG); Phase

https://www.wago.com/855-8003





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 5 … 7 mm
Cable type	Secondary side: 1 x 1.0 mm²; flexible; with ferrule

Connection 1

Connection technology	IDC connection
Solid conductor	10 … 16 mm² / 8 … 6 AWG
Fine-stranded conductor	10 … 16 mm² / 8 … 6 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
Weight	72.6 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

Continued on next page

Product Classification

UNSPSC	39121421
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

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-8003

Documentation

Bid Text

855-8003	19.02.2019	xml 4.98 KB
855-8003	20.02.2019	docx 17.33 KB

Instruction Leaflet

Potentialabgriffe	pdf 77.71 KB

CAD/CAE-Data

CAD data

2D/3D Models 855-8003

Continued on next page

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

Continued on next page

Installation Notes

Installation



Installation on an insulated conductor with insulation displacement connection (IDC)



Integrated SIBA fuse to protect equipment and conductor