

Item description

Short description:

WAGO's voltage 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
- Voltage taps (855-8001 and 855-8003) include a (5 x 25) mm 2 A fuse
- For insulated conductors up to 16 mm² (6 AWG)
- Cable length: 3 m

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

Data Notes

Note	Spare fuse: WAGO 855-8020
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Technical data

Output (voltage tap)

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

Safety and protection

Rated surge voltage	6 kV
Overvoltage category	III
Pollution degree	2
Protection type	IP20

Test voltage

Test voltage	AC 3 kV; 50 Hz; 1 min
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Connection data

Connection technology	IDC connection
Solid conductor	10 ... 16 mm ² / 8 ... 6 AWG
Fine-stranded conductor	10 ... 16 mm ² / 8 ... 6 AWG
Feedthrough for measurement conductor	5 ... 7 mm Ø
Cable type	Secondary side: 1 x 1.0 mm ² ; flexible; with ferrule

Physical data

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

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Mechanical Data

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

Material Data

Flammability class per UL94	V2
Housing material	PA 66
Weight	72.6 g

Environmental requirements

Pollution degree	2
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 EN 60947-7-1

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)	10 (1) pcs
Packaging type	Box
Country of origin	NL
GTIN	4055143371797
Customs tariff number	85366990990

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Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.B.00111 /19

Optional accessories

Signal conditioner

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

www.wago.com/2857-570/024-001

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

www.wago.com/2857-570/024-005

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

www.wago.com/2857-570/024-000

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

www.wago.com/857-560

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

www.wago.com/857-569

Fuse

Fuse

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Item no.: 855-8020
Miniature fuse; 5 x 25 mm; with indicator

www.wago.com/855-8020

Mounting

Current transformer terminal block



Item no.: 2007-8874
Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured

www.wago.com/2007-8874



Item no.: 2007-8877
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8877



Item no.: 2007-8875
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8875



Item no.: 2007-8876
Compact terminal block; for 3-phase current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8876



Item no.: 2007-8873
Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured

www.wago.com/2007-8873

Downloads

Documentation

Bid Text

855-8003 docx - Datei	2019 Feb 20	docx 17.8 kB	Download
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855-8003 X81 - Datei	2019 Feb 19	xml 5.1 kB	Download
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Instruction Leaflet

Potentialabgriffe		pdf 79.6 kB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-8003

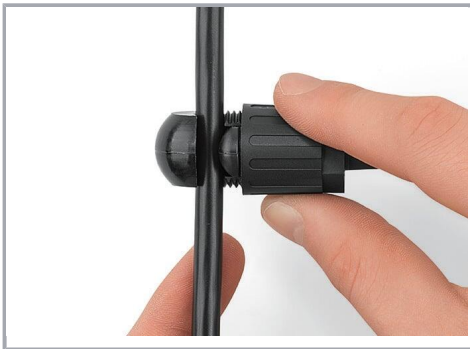
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Power tap; with fuse; 10 mm² (8 AWG) - 16 mm² (6 AWG); Phase

Installation Notes

Installation



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



Integrated SIBA fuse to protect equipment and conductor

Subject to changes. Please also observe the further product documentation!