

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

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



- 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

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	2.5 ... 6 mm ² / 14 ... 10 AWG
Fine-stranded conductor	2.5 ... 6 mm ² / 14 ... 10 AWG
Feedthrough for measurement conductor	Ø 3 ... 5 mm
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

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



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	25.9 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	4055143371780
Customs tariff number	85366990990

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


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


Mounting

Current transformer terminal block

	Item no.: 2007-8874 Compact terminal block; for current and voltage transformers; 6,00 mm ² ; multicoloured	www.wago.com/2007-8874
	Item no.: 2007-8877 Compact terminal block; for current transformer circuit; 6,00 mm ² ; multicoloured	www.wago.com/2007-8877
	Item no.: 2007-8875 Compact terminal block; for current transformer circuit; 6,00 mm ² ; multicoloured	www.wago.com/2007-8875
	Item no.: 2007-8876 Compact terminal block; for 3-phase current transformer circuit; 6,00 mm ² ; multicoloured	www.wago.com/2007-8876
	Item no.: 2007-8873 Compact terminal block; for current and voltage transformers; 6,00 mm ² ; multicoloured	www.wago.com/2007-8873

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

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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.



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



Item no.: 855-8020

Miniature fuse; 5 x 25 mm; with indicator

www.wago.com/855-8020

Downloads

Documentation

Bid Text

855-8001 docx - Datei	2019 Feb 20	docx 17.6 kB	Download
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855-8001 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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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-8001

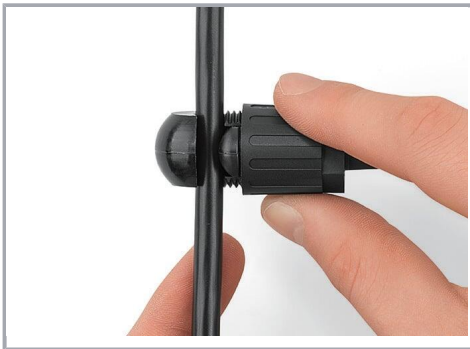
URL

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Power tap; with fuse; 2,5 mm² (12 AWG) - 6 mm² (10 AWG); Phase

Installation Notes

Installation



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



Integrated SIBA fuse to protect equipment and conductor

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