



Dimensions in mm

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

Notes

Note Spare fuse: WAGO 855-8020

Technical data

Input		Output – voltage tap	
Shunt (sekundär, DC)	DC	Rated voltage	AC 400 V
Stromwandler (sekundär, DC)	DC	Continuous current (max.)	2 A
Strom (primär, DC)	DC	Voltage drop	≤ 0.5 VAC
		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	Test voltage	
Overvoltage category	III	Test voltage	AC 3 kV; 50 Hz; 1 min
Pollution degree	2		
Protection type	IP20		

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

Mechanical data

Mounting type	Insulation displacement connection 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
Fire load	0 MJ
Weight	72.6 g

Environmental requirements

Ambient temperature (operation at U _N)	-5 ... 55 °C
Surrounding air 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

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) Stück
Packaging type	Box
Country of origin	NL
GTIN	4055143371797
Customs tariff number	85366990990

Approvals and certificates

General approvals



Approval	Standard	Certificate name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00111/19

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 855-8003	↓
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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	↓
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1 Compatible products

1.1 Optional accessories

1.1.2 Installation

1.1.2.1 Current transformer terminal block



Item no.: 2007-8876
Compact terminal block; for 3-phase cur-
rent transformer circuit; 6,00 mm²; multi-
coloured



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



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



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



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

1.1.3 Signal conditioner

1.1.3.1 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

1.1.3.2 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

1.1.3.3 Voltage 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



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