

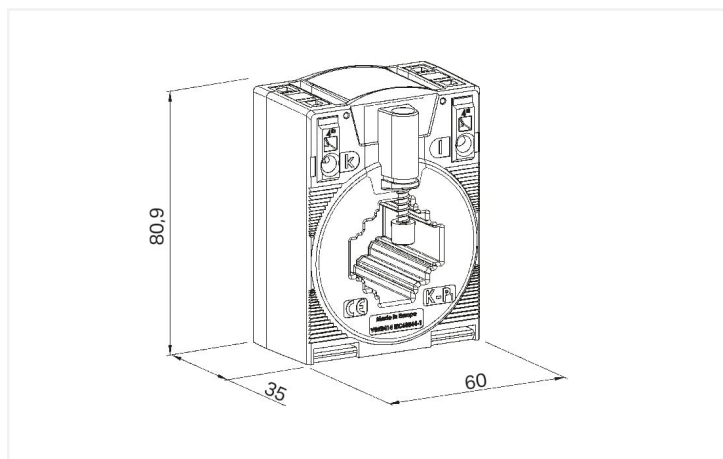
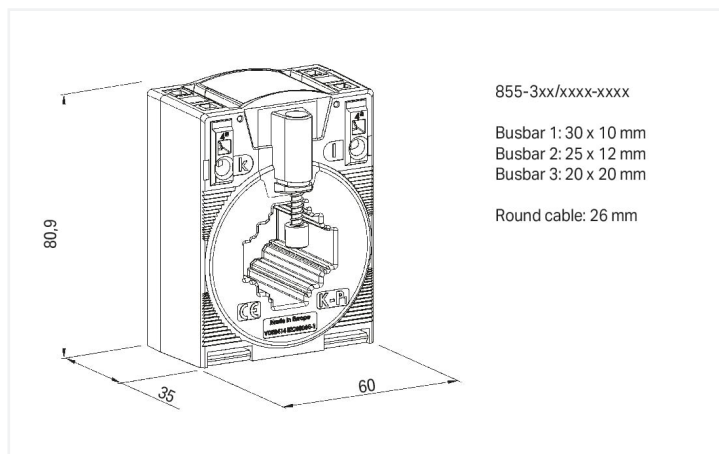
Data Sheet | Item Number: 855-305/750-509

Plug-in current transformer; Primary rated current 750 A; Secondary rated current: 5 A; Rated power: 5 VA; Accuracy class: 0.5; for billing purposes

<https://www.wago.com/855-305/750-509>



Similar to illustration



Dimensions in mm

Kurzbeschreibung:

Aufsteck-Stromwandler für die Verrechnungs-Messung der Serie 855 sind induktive, nach dem Trafo-Prinzip arbeitende, 1-Leiter-Stromwandler. Aufgrund des angewendeten Messprinzips eignen sich Stromwandler dieses Typs zur ausschließlichen Verwendung in Wechselstromnetzen. Die Aufsteck-Stromwandler entsprechen dem Modul D des Konformitätsbewertungsverfahrens und können für Verrechnungszwecke eingesetzt werden.

Merkmale:

- Schraubenlose Anschluss technik mit CAGE-CLAMP®-Anschluss
- Verschiedene Montagemöglichkeiten
- Schockfest und rüttelsicher
- Hohe mechanische Haltekräfte
- Hohe Stromfestigkeit
- Ständig mit 120 % des primären Nennstroms überlastbar
- Niederspannungsstromwandler für Betriebsspannungen bis max. 1,2 kV
- Einsatz in 690 V-Netzen
- Zubehör: 879-3040; Energiezähler; mit Push-in CAGE CLAMP® und Hebel; Wandleranschluss (2PUCT)

Technical data

Input

Measured variable	Current
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Input – current transformer

Rated continuous thermal current I_{cth}	AC $1.2 \times I_N$
Rated short-time thermal current I_{th}	$60 \times I_N / 1 \text{ s}$ (max. 100 kA / 1 s)
Overcurrent limiting factor	FS5 / FS10 (type dependent; see type plate inscription)
Rated frequency	50 ... 60 Hz
Primary rated current	750 A

Output – current transformer

Secondary rated current	5 A
Rated power S_r	5 VA

Measurement error

Accuracy class	0.5
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Safety and protection

Test voltage	AC 6 kV; 50 Hz; 1 min
Highest voltage for equipment U_m	AC 1.2 kV _{rms}

Connection data

Connection object type 1

Connection technology	CAGE CLAMP®
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG

Physical data

Width	60 mm / 2.362 inches
Height	80.9 mm / 3.185 inches
Depth	52 mm / 2.047 inches

Mechanical data

Mounting type	Closed current transformer Installation on mounting plate Mounting on DIN-rail via DIN-rail adapter Installation on round cable
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Material data

Insulation class	E
Fire load	0 MJ
Weight	230 g

Environmental requirements

Ambient temperature (operation)	-5 ... +50 °C
Ambient temperature (storage)	-25 ... +70 °C
Operating altitude (max.)	1000 m

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61869-1 EN 61869-2



Commercial data	
ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85043129900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00111/19

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

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 855-305/750-509	

Documentation			
Bid Text		Instruction Leaflet	
855-305/750-509	05.10.2020	xml 6.07 KB	
855-305/750-509	05.10.2020	docx 17.53 KB	

Instruction Leaflet	
Aufsteck-Stromwandler	pdf 1438.11 KB
	



1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

1.1.1.1 DIN-rail adapter



[Item No.: 855-9900](#)
Carrier rail adapter

1.1.1.2 Fast connection adapter



[Item No.: 855-9910](#)
Quick-mount kit

1.1.2 Signal conditioner

1.1.2.1 Current signal conditioner



[Item No.: 857-551](#)
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width



[Item No.: 857-550](#)
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm²



[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

1.1.2.2 Energy meter



[Item No.: 879-3040](#)
Energy meter (MID); for transformer connection; 1 A / 5 A; 3x230/400V; 50Hz; Modbus® and M-Bus; 2 x S0 interface; 2PU CT

1.1.2.3 Power measurement module



[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.: 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

1.1.2.4 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

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

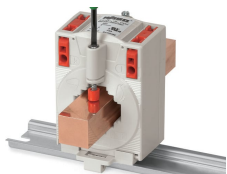


Conductor termination – screwdriver actuation perpendicular to conductor entry



Conductor termination – screwdriver actuation parallel to conductor entry

Installation



Installation on copper current bar



Installation on round cable



Installation on mounting plate



Mounting on DIN-rail via 855-9900 DIN-Rail Adapter



Installation via 855-9910 Quick-Mount Kit