

Data sheet | Item number: 855-2701/064-001

Plug-in current transformer; Primary rated current: 64 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 1



www.wago.com/855-2701/064-001



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 description

Short description:

WAGO's plug-in current transformers (855 Series) are inductive, single-conductor current transformers. Due to the measurement principle used, these current transformers are exclusively designed for AC network applications.

Features:

- All-new design with *picoMAX*[®] connection technology
- Ready for space-restricted applications
- Simple assembly permits 17.5 mm phase spacing, allowing perfect adjustment to any circuit breaker.
- Easily mount on DIN-rail or panels via DIN-rail adapter (855-9927)
- Convert current from 64 A or 35 A to 1 A

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- Accuracy class: 1

Data

Technical data

Input – current transformer

Primary rated current	64 A
Rated continuous thermal current I_{cth}	100 %
Rated short-time thermal current I_{th}	$60 \times I_N / 1 \text{ s}$
Rated surge current I_{dyn}	$2.5 \times I_{th}$
Rated frequency	50 ... 60 Hz

Output – current transformer

Secondary rated current	1 A
Rated power S_r	0.2 VA

Measurement error

Accuracy class	1
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Safety and protection

Highest voltage for equipment U_m	AC 720 V _{rms}
Protection type	IP20

Test voltage

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

Connection technology	Push-in CAGE CLAMP®
WAGO connector	<i>picoMAX</i> ® 3.5, 2091-1122
Solid conductor	0.2 ... 1.5 mm ² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 1.5 mm ² / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Feedthrough for measurement conductor	Ø 7.5 mm

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



Physical data

Width	27 mm / 1.063 inches
Height	46 mm / 1.811 inches
Depth	23 mm / 0.906 inches

Mechanical data

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

Insulation class	E
Flammability class per UL94	V2
Housing material	PA 66
Weight	44 g

Environmental requirements

Ambient temperature (operation)	-10 ... +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 61869-1 EN 61869-2 UL

Commercial data

eCl@ss 10.0	27-21-09-02
eCl@ss 9.0	27-21-09-02
ETIM 8.0	EC002048
ETIM 7.0	EC002048
PU (SPU)	15 (1) Stück
Packaging type	box

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Country of origin VKOrg Germany	NL
GTIN	4050821864189
Customs tariff number VKOrg Germany	85043129900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	-	E356480

Optional accessories

Mounting adapter

DIN-rail adapter	
Item no.: 855-9927 Carrier rail adapter	www.wago.com/855-9927

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
Current signal conditioner	
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 mm ²	www.wago.com/857-550

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

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Tool

Operating tool

Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719**Downloads****Documentation****Bid Text**

855-2701/064-001 X81 - Datei	2019 年2月19 日	xml 5.3 kB	Download
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855-2701/064-001 doc - Datei	2015 年7月21 日	doc 31.7 kB	Download
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Instruction Leaflet

Aufsteck-Stromwandler mit picoMAX - Steckverbinder		pdf 328.4 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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Engineering-Software**Configuration and Commissioning Software**

WAGO Interface Configuration Software G2 FULL The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	1.0.8.6 2022 年1月20 日	exe 114.0 MB	Download
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WAGO Interface Configuration Software G2 SMALL The full setup only includes the WAGO Interface Configuration Software G2.	1.0.8.6 2022 年1月20 日	exe 30.0 MB	Download
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CAD/CAE-Data**CAE data**

EPLAN Data Portal 855-2701/064-001		URL	Download
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WSCAD Universe 855-2701/064-001

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	URL	Download
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WSCAD Universe 855-2701/064-001	URL	Download
ZUKEN Portal 855-2701/064-001	URL	Download
CAD data		
2D/3D Models 855-2701/064-001	URL	Download

Environmental Product Compliance

Compliance Search

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Installation Notes

Conductor termination



Push-in termination of solid conductors and fine-stranded conductors with ferrules



Universal connection for fine-stranded conductors

Installation

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



Just slide together.



To save space, mount directly above the circuit breaker.



Mounting on DIN-rail via 855-9927 DIN-Rail Adapter

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