

Data sheet | Item number: 855-2701/035-001

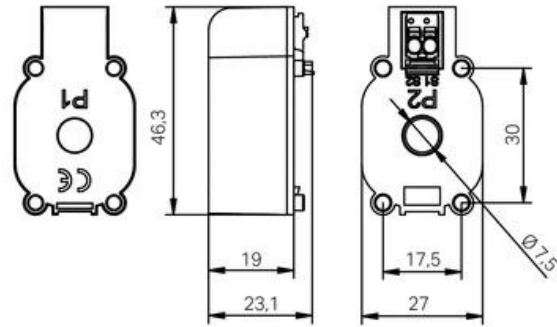
Plug-in current transformer; Primary rated current: 35 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 1

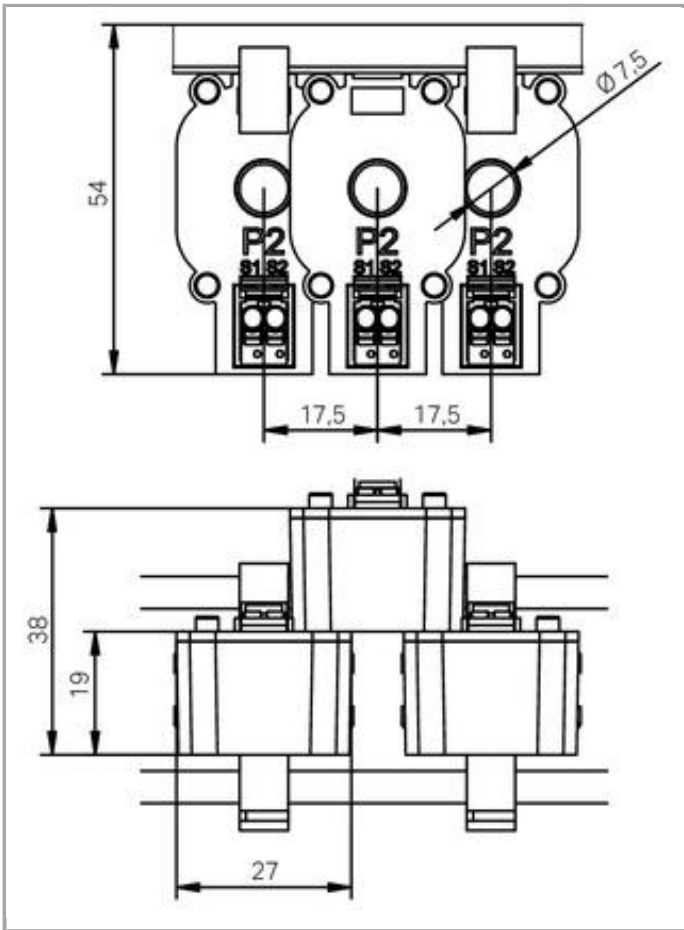
www.wago.com/855-2701/035-001



RoHS 
Compliant

[BOMcheck.net](https://www.bomcheck.net)





Item description

Short description:

The 855 Series Plug-In Current Transformers are inductive, single-conductor current transformers. Due to the measurement principle used, these current transformers are exclusively designed for AC network applications.

Features:

- First current transformer featuring *picoMAX*[®] connection technology
- Also suitable for space-restricted applications
- Simple assembly permits 17.5 mm phase spacing, allowing perfect adjustment to any circuit breaker.
- Easy mounting on DIN rails or panels via carrier rail adapter
- Converts current from 64 A or 35 A to 1 A
- Accuracy class 1

Data

Technical Data

Input – current transformer

Primary rated current	35 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
Highest voltage for equipment U_m	720 V _{rms} AC

Measurement error

Accuracy class	1
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Safety and protection:

Test voltage	3 kV AC; 50Hz; 1min
Degree of protection	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
WAGO terminal	picoMAX® 3.5, 2091-1122
Solid conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 Inch
Feedthrough for measurement conductor	Ø 7.5 mm

Geometrical Data

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

Mechanical data

Type of mounting	Current transformers (closed) Mounting on carrier rail via carrier 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	47 g

Environmental Requirements

Surrounding air (operating) temperature	-10 ... 55 °C
Surrounding air (storage) temperature	-20 ... 70 °C
Relative humidity	5 ... 85 % (no condensation)
Max. operating altitude	2000 m

Standards and specifications


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

Commercial data

Country of origin	NL
GTIN	4050821864240
Customs Tariff No.	85043180888


Approvals / Certificates

UL-Approvals

Logo	Approval	Certificate name
	UL UL Multiple Listings Project Handler	E356480

Compatible products

tools

	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	www.wago.com/210-719
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General accessories

	Item no.: 2007-8873 Compact terminal block; for current and voltage transformers	www.wago.com/2007-8873
	Item no.: 2007-8874 Compact terminal block; for current and voltage transformers	www.wago.com/2007-8874

**Item no.: 2007-8875**

Compact terminal block; for current transformer circuit

www.wago.com/2007-8875**Item no.: 2007-8876**

Compact terminal block; for 3-phase current transformer circuit

www.wago.com/2007-8876**Item no.: 2007-8877**

Compact terminal block; for current transformer circuit

www.wago.com/2007-8877**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

www.wago.com/857-550**assembling****Item no.: 855-9927**

Carrier rail adapter

www.wago.com/855-9927**Downloads****Documentation****Instruction Leaflet**

Plug-In Current Transformers with picoMAX® Pluggable Connector

Sep 29, 2015

PDF
328.4 kB[Download](#)**Additional Information**

Disposal; Electrical and electronic equipment, Packaging

Oct 15, 2018

265.8 kB

[Download](#)**Engineering-Software****Software for Interface-Products**

Interface Configuration Software SMALL

1.5.4.6

EXE
46.0 MB[Download](#)

The full setup only includes the WAGO Interface Configuration Software.

Jan 8, 2018

Interface Configuration Software FULL

1.5.4.6

EXE
96.5 MB[Download](#)

The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.

Jan 8, 2018

Subject to changes.

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