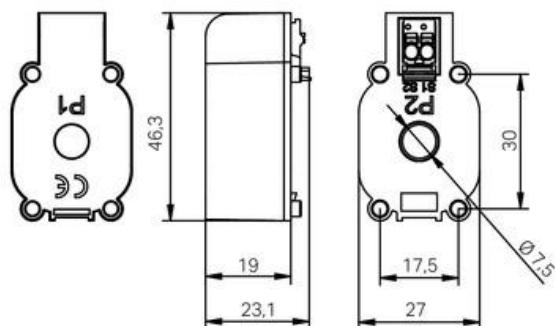
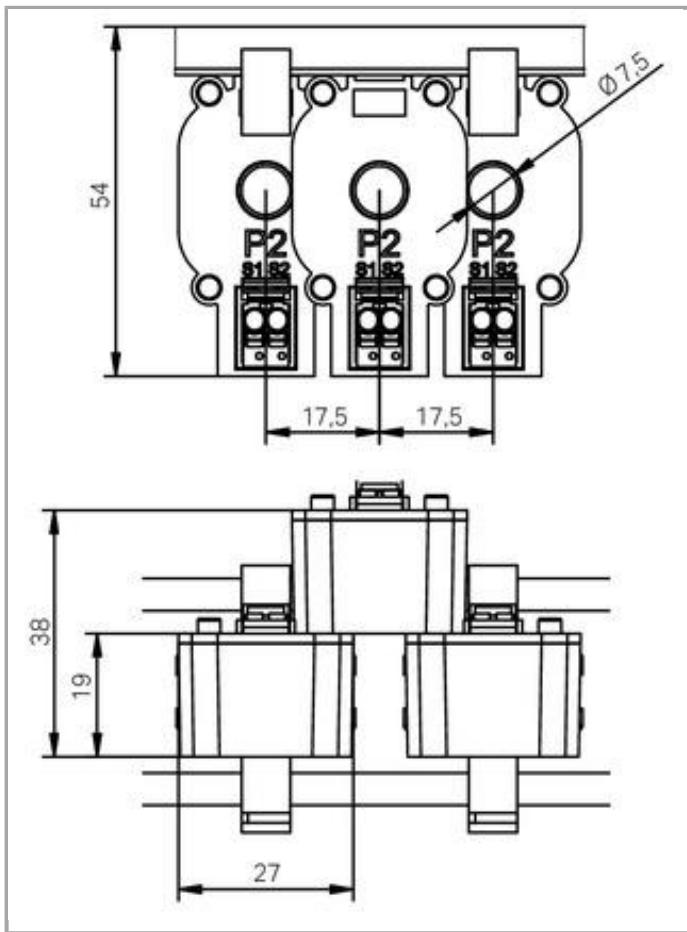




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Item description

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
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Downloads

Documentation

Instruction Leaflet

Plug-In Current Transformers with picoMAX® Pluggable Connector	Sep 29, 2015	PDF 328.4 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018	Download 265.8 kB
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Engineering-Software

Software for Interface-Products

Interface Configuration Software SMALL The full setup only includes the WAGO Interface Configuration Software.	1.5.4.6 Jan 8, 2018	EXE 46.0 MB	Download
Interface Configuration Software FULL The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.	1.5.4.6 Jan 8, 2018	EXE 96.5 MB	Download

Subject to changes.

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