

# Plug-In Current Transformers, 855 Series

with the **picoMAX<sup>®</sup>** pluggable connector



	<b>Primary rated current: 32 A</b> <b>Secondary rated current: 320 mA</b>	
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**Short description:**

The **picoMAX<sup>®</sup>** Plug-In Current Transformer with a low-power output is specifically tailored to WAGO's 750 Series 3-Phase Power Measurement Modules.

**Features:**

- All-new, low-power output design with **picoMAX<sup>®</sup>**
- Assembly via side latches
- Can be mounted directly on an ECB



**Notes:**

- The 855-1700/032-000 Plug-In Current Transformer is exclusive to the WAGO-I/O-SYSTEM and shall only be used with WAGO's 750 Series 3-Phase Power Measurement Modules.
- WAGO recommends the following conductor cross section and length: 1.5 mm<sup>2</sup> (14 AWG) and maximum 3.0 m at the output

\*Measurement range: 0.8–32 A in combination with 750-493/-494/-495 3-Phase Power Measurement Modules.  
 \*\*Testing adheres to EN 61869-2 with a conversion ratio of 16 A/0.16 A (accuracy class: 0.5) and an extended primary current of 200 %.

Description	I <sub>pr</sub>	I <sub>sr</sub>	S <sub>r</sub>	G	Item No.	Pack. Unit
Plug-in current transformer	32 A	0.32 A	0.01 VA	0.5	855-1700/032-000	15 (1)
I <sub>pr</sub> = Primary rated current *						
I <sub>sr</sub> = Secondary rated current						
S <sub>r</sub> = Rated power						
G = Accuracy class **						

**Technical Data**

<b>Input:</b>	
Rated short-time thermal current I <sub>th</sub>	2 kA / 0.1 s
Rated surge current I <sub>dyn</sub>	2.5 × I <sub>th</sub>
Rated insulation level U <sub>m</sub>	0.72/3/- kV
Rated frequency f <sub>R</sub>	50 Hz ... 60 Hz
<b>Output:</b>	
Load impedance	0.1 Ω
<b>Environmental requirements:</b>	
Ambient operating temperature	-10 °C ... +55 °C
Storage temperature	-20 °C ... +70 °C
Relative humidity	5 % ... 85 % (non-condensing)
Max. operating altitude	2000 m
<b>Dimensions and weight:</b>	
Dimensions (mm) W x H x L	19.1 x 34 x 23
Weight	11 g
<b>Safety and protection:</b>	
Degree of protection	IP20
Insulation class	E (120 °C)
Housing material	PA 6.6
<b>Connection:</b>	
Feedthrough for measurement conductor	Ø 5.0 mm
Wire connection	Push-in CAGE CLAMP <sup>®</sup> (picoMAX <sup>®</sup> 3.5, 2091-1122)
Cross sections	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip lengths	8 ... 9 mm / 0.31 ... 0.35 in
<b>Standards and approvals:</b>	
Standards/Specifications	EN 61869-2; EN 61010-1

Accessories	Item No.	Pack. Unit
<b>Operating tool, with partially insulated shaft, type 1, blade (2.5 x 0.4) mm</b>	<b>210-719</b>	<b>50 (1)</b>
<b>3-Phase Power Measurement Module (1 A)</b>	<b>750-493</b>	<b>1</b>
<b>3-Phase Power Measurement Module (480V/1A)</b>	<b>750-494</b>	<b>1</b>
<b>3-Phase Power Measurement Module (690V/1A)</b>	<b>750-495</b>	<b>1</b>
<b>Compact terminal blocks for current transformers at <a href="http://www.wago.com">www.wago.com</a></b>		

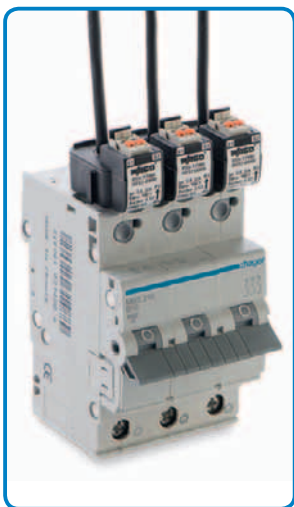
Installation



Mounting



Application



Dimensions

