

# Plug-In Current Transformers, 855 Series

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



	<b>Primary rated current: 35 A</b> <b>Secondary rated current: 1 A</b>	<b>Primary rated current: 64 A</b> <b>Secondary rated current: 1 A</b>
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**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<sup>®</sup>** 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 currents from 64 A or 35 A to 1 A
- Accuracy class 1



Description	I <sub>pN</sub>	I <sub>sN</sub>	S <sub>N</sub>	G	Item No.	Pack. Unit	I <sub>pN</sub>	I <sub>sN</sub>	S <sub>N</sub>	G	Item No.	Pack. Unit
<b>Plug-In Current Transformers</b>	35 A	1 A	0.2VA	1	<b>855-2701/035-001</b>	15	64 A	1 A	0.2VA	1	<b>855-2701/064-001</b>	15
I <sub>pN</sub> = Primary rated current												
I <sub>sN</sub> = Secondary rated current												
S <sub>N</sub> = Rated power												
G = Accuracy class												

Technical Data													
<b>Input:</b>													
Rated continuous thermal current I <sub>cth</sub>	100 %								100 %				
Rated short-time thermal current I <sub>th</sub>	60 x I <sub>pr</sub> / 1 s								60 x I <sub>pr</sub> / 1 s				
Rated surge current I <sub>dyn</sub>	2.5 x I <sub>th</sub>								2.5 x I <sub>th</sub>				
Max. operating voltage V <sub>m</sub>	0.72/3/- kV								0.72/3/- kV				
Rated frequency f <sub>R</sub>	50 Hz ... 60 Hz								50 Hz ... 60 Hz				
Overcurrent limiting factor	FS5								FS5				
<b>Environmental requirements:</b>													
Ambient operating temperature	-10 °C ... +55 °C								-10 °C ... +55 °C				
Storage temperature	-20 °C ... +70 °C								-20 °C ... +70 °C				
Rel. humidity	5 % ... 85 % (non-condensing)								5 % ... 85 % (non-condensing)				
Max. operating altitude	2000 m								2000 m				
<b>Safety and protection:</b>													
Degree of protection	IP20								IP20				
Insulation class	E (120 °C)								E (120 °C)				
Housing material	PA 6.6								PA 6.6				
Flammability rating	V2 (UL94)								V2 (UL94)				
<b>Connection and type of mounting:</b>													
Power cable feed-through	Ø 7.5 mm								Ø 7.5 mm				
Wire connection	CAGE CLAMP <sup>®</sup> S (picoMAX <sup>®</sup> 3.5, 2091-1122)								CAGE CLAMP <sup>®</sup> S (picoMAX <sup>®</sup> 3.5, 2091-1122)				
Cross sections	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / 24 ... 14								0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / 24 ... 14				
Strip lengths	8 ... 9 mm / 0.31 ... 0.35 in								8 ... 9 mm / 0.31 ... 0.35 in				
<b>Standards and approvals:</b>													
Conformity marking	CE								CE				
Standards/Specifications	EN 61869-2:2012								EN 61869-2:2012				

Accessories	Item No.	Pack. Unit
Carrier rail adapter for plug-in current transformer	<b>855-9927</b>	1
Connector assembly for current transformer	<b>2007-8873</b>	1
Operating tool, with partially insulated shaft, type 2, blade (3.5 x 0.5) mm	<b>210-720</b>	1

855 Series

Termination



Mounting



Application



Dimensions

