

Plug-In Current Transformers, 855 Series

with the **picoMAX®** pluggable connector



	Primary rated current: 35 A Secondary rated current: 1 A	Primary rated current: 64 A Secondary rated current: 1 A
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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®** 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_{pr}	I_{sr}	S_r	G	Item No.	Pack. Unit	I_{pr}	I_{sr}	S_r	G	Item No.	Pack. Unit
Plug-in current transformer	35 A	1 A	0.2VA	1	855-2701/035-001	15	64 A	1 A	0.2VA	1	855-2701/064-001	15
I_{pr} = Primary rated current												
I_{sr} = Secondary rated current												
S_r = Rated power												
G = Accuracy class												

Technical Data

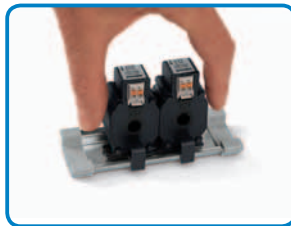
Input:		
Rated continuous thermal current I_{cth}	100 %	100 %
Rated short-time thermal current I_{th}	$60 \times I_{pr} / 1 \text{ s}$	$60 \times I_{pr} / 1 \text{ s}$
Rated surge current I_{dyn}	$2.5 \times I_{th}$	$2.5 \times I_{th}$
Max. operating voltage V_m	0.72/3/- kV	0.72/3/- kV
Rated frequency f_R	50 Hz ... 60 Hz	50 Hz ... 60 Hz
Environmental requirements:		
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
Safety and protection:		
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)
Connection:		
Power cable feed-through	Ø 7.5 mm	Ø 7.5 mm
Wire connection	Push-in CAGE CLAMP® (picoMAX® 3.5, 2091-1122)	Push-in CAGE CLAMP® (picoMAX® 3.5, 2091-1122)
Cross sections	0.2 mm² ... 1.5 mm² / AWG 24 ... 14	0.2 mm² ... 1.5 mm² / AWG 24 ... 14
Strip lengths	8 ... 9 mm / 0.31 ... 0.35 in	8 ... 9 mm / 0.31 ... 0.35 in
Standards and approvals:		
Conformity marking	CE	CE
Standards/Specifications	EN 61869-2; EN 61010-1	EN 61869-2; EN 61010-1

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

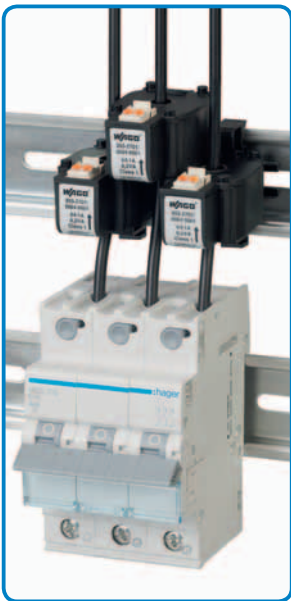
Termination



Mounting



Application



Dimensions

