

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 x I _{pr} / 1 s					60 x I _{pr} / 1 s						
Rated surge current I _{dyn}	2.5 x I _{th}					2.5 x 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 [®] (<i>picoMAX</i> [®] 3.5, 2091-1122)					Push-in CAGE CLAMP [®] (<i>picoMAX</i> [®] 3.5, 2091-1122)						
Cross sections	0.2 mm ² ... 1.5 mm ² / AWG 24 ... 14					0.2 mm ² ... 1.5 mm ² / 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

