# **CTA**



## Split core current transformer



#### Benefits

- Adaptability and flexibility. Effective for a wide range of currents, it can be installed in existent applications.
- Fast installation. The opening/closing mechanism makes installation fast even in existent applications. The analyzer only requires two cables to be connected per sensor.

## Description

Split core current transformer with compact dimensions, suitable for retrofit applications when used in combination with any energy meter with 5 A currents inputs.

It manages primary current from 100 A to 600 A (depends on the model).

#### **Applications**

CTA is the ideal solution for quick and easy installation without disconnecting cables during installation. It is indicated for any application (residential, commercial and industrial), especially for retrofitting where installing a solid core current transformer is not possible.



#### Main features

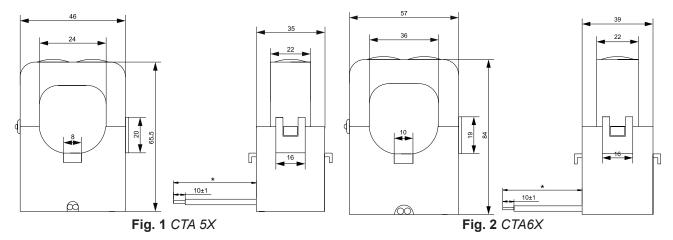
- 5 A secondary current
- · 24 mm hole diameter for primary current up to 300 A
- 36 mm hole diameter for primary current up to 600 A



# **Features**

# General

Material	PA66	
Protection degree	IP20	
Socondamy output	UL R/C cable, 16AWG (1,3mm²)	
Secondary output	Length: see Electrical specifications	
Mounting	Mounting Cable	
Maight (g)	CTA 5X: 165	
Weight (g)	CTA 6X: 275	
Cable diameter	CTA 5X: 24 mm	
Cable diameter	CTA 6X: 36 mm	



Note: see Electrical specifications

## Environmental specifications

Operating temperature		
Storage temperature	-25° to +80°C (-13 to 176 F°)	

**UL note:** insulation class: A (105), 55 °C rise type at 30°C ambient

# Conformity

Approvals	CE c SU'us
Standards	EN 61869-2



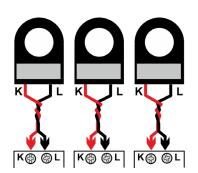
## Electrical specifications

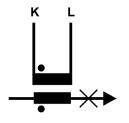
Rated secondary current	5 A	
Frequency	50/60 Hz	
Rated system voltage	600 V ac	
Rated insulation level	0.72 kV ac, dielectric strength 3 kV ac for 1min	
Insulation class	Thermal class B (IEC 60085)	
Short time current rating		
Ith	12 x ln	
ldyn	2,5 x lth	

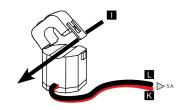
Model	Primary current	Accuracy (EN61869-2)	Cable lenght	Burden*
	100 A	Class 3	0.5 m	1 VA
	150 A	Class 3	0.5 m	1 VA
CTA 5X	200 A	Class 3	2 m	1 VA
	250 A	Class 1	1 m	1 VA
	300 A	Class 1	0.5 m	2.5 VA
CTA 6X	200 A	Class 3	1 m	1 VA
	300 A	Class 1	1 m	2.5 VA
	400 A	Class 1	1 m	5 VA
	500 A	Class 1	1 m	7.5 VA
	600 A	Class 1	1 m	10 VA

\*Note: cable included

# **Connection Diagrams**











# References



## CTA ☐ 5A

Enter the code, replacing the symbol  $\square$  with the selected option (e.g.: CTA **5X 100A** 5A).

Code	Options	Description
С		
Т		
Α		
	5X 100 A	
	5X 150 A	
	5X 200 A	
	5X 250 A	
	5X 300 A	Model and primary current
	6X 200 A	Model and primary current
	6X 300 A	
	6X 400 A	
	6X 500 A	
	6X 600 A	
5 A	-	Secondary current

## Further reading

Information	Document	Where to find it
Instruction manual	Instruction manual : CTA X	www.productselection.net



## **CARLO GAVAZZI compatible components**

Purpose	Component name/code key	NOTES
Measure and display consumption of connected	EM24, EM210, EM330, ET330, WM15, WM20, WM30, WM40,	
circuits	WM50	_



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