



## Description

Cable/Bus-bar type current transformer has DIN-rail/sbar and panel mounting facility, with rated primary currents from 50A to 2500A(depends on the model).

## Features

- Bus-bar type current transformer.
- 5A/1A secondary current.
- Integrated DIN-rail mounting holder.
- Removable panel fixing clips.
- Double screw terminals.
- Reversible terminal block covers.
- IP20 protection degree.

## Applications

- Residential
- Commercial
- Industrial



## Input Specifications

Operating frequency	45 to 65 Hz
Max. system voltage	0.72KV
Rated insulation level	3 kV/1 min. @ 50 Hz
Insulation class	E (max 75° C)
Security factor (FS)	5
Extended current rating	120%
Accuracy class	1.0, 0.5, 0.5S, 0.2, 0.2S
Short-time current rating	Typical 40 In /1 s

## Output Specifications

Rated secondary current	5A or 1A
Rated burden	Depending on the primary current

## General Specifications

Standards	IEC/EN60044-1
Mounting	DIN-rail bus-bar and panel mounting
Standard accessories	Two terminal block screws. Two cable/bus-bar fixing screws. Two plastic caps for cable/bus-bar fixing screws. Two plastic caps for cable/bus-bar fixing screws.
Protection degree	IP20
Cable cross section area	1.5 to 6 mm <sup>2</sup>
Torque@terminal block screws	1 to 2 Nm
Torque@cable/bus-bar fixing screws	0.5Nm
Storage temperature	-30 - +70°C
Working environment temperature	-25 - +50 °C
Humidity	Not condensation from 0-80%RH
Pollution degree	2
Approvals	CE
Housing	ABS, self-extinguishing
Weight	From 250-600g

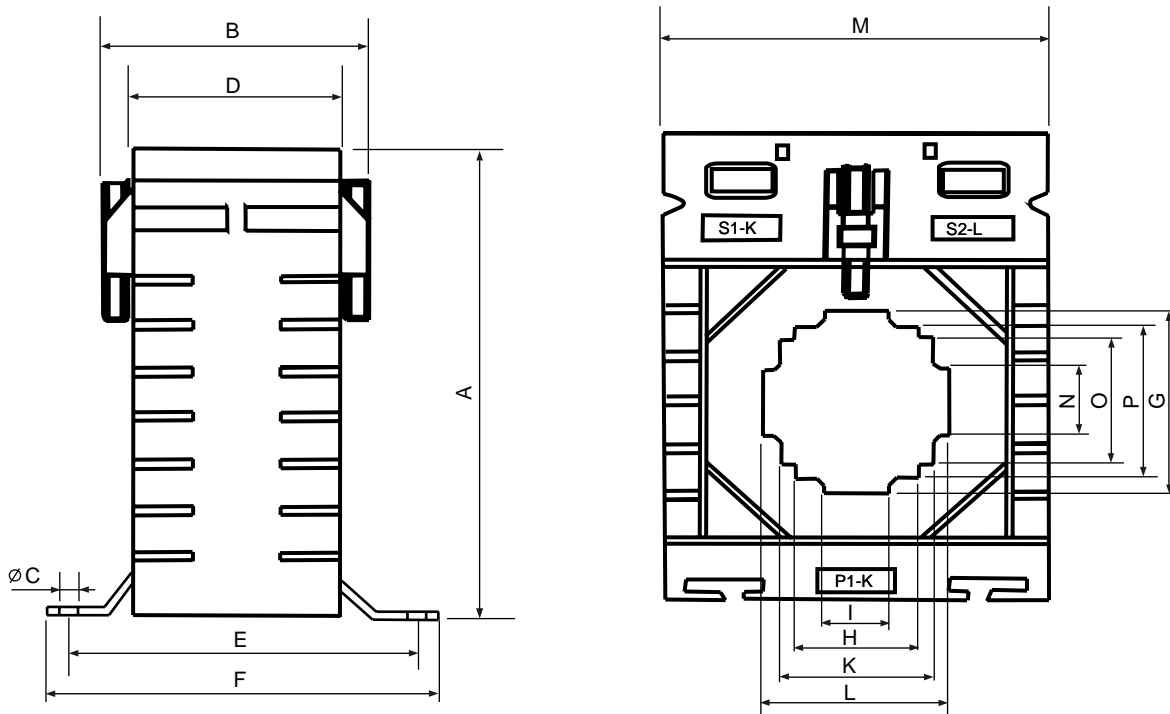
All technical characteristics are subject to change without previous notice.

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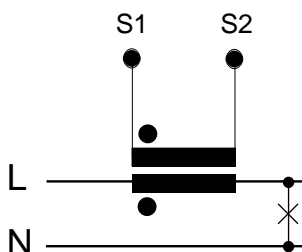


## Dimensions (mm)



Model	A	B	C	D	E	F	G	H	I	L	M	N	O	P	K
CTP30	78	46	6.6	35	57	71	30	26	11	31	65	11	21	26	26
CTP40	78	46	6.6	35	57	71	30	31	16	40	65	11	21	27	31
CTP50	98	57	6.6	47	67	81	41	41	32	52	74	12	22	31	41
CTP60	110	57	6.6	40	62	76	51	50	21	61	86	12	31	31	51
CTP80	126	51	6.6	40	62	76	65	61	31	80	104	12	31	51	51

## Wiring Diagram



### Range Table

Model	Primary Current	Temperature	Extended current rating	Burden (VA)				
				CL1.0	CL0.5	CL0.5S	CL 0.2	CL 0.2S
CTP30/11	A			CL1.0	CL0.5	CL0.5S	CL 0.2	CL 0.2S
	50	@40°C/104°F	120%	1.5				
	75	@40°C/104°F	120%	1.5				
	100	@40°C/104°F	120%	2.5	2.5			
	150	@40°C/104°F	120%	2.5	2.5			
	200	@40°C/104°F	120%	5	5	2.5	2.5	2.5
	250	@40°C/104°F	120%	5	5	2.5	2.5	2.5
	300	@40°C/104°F	120%	5	5	2.5	2.5	2.5
CTP40/11	200	@40°C/104°F	120%	2.5	2.5			
	250	@40°C/104°F	120%	2.5	2.5			
	300	@40°C/104°F	120%	5	2.5			
	400	@40°C/104°F	120%	5	5	2.5	2.5	2.5
	500	@40°C/104°F	120%		5	2.5	2.5	2.5
	600	@40°C/104°F	120%		5	2.5	2.5	2.5
CTP50/12	300	@40°C/104°F	120%		5	5	5	5
	400	@40°C/104°F	120%		5	5	5	5
	500	@40°C/104°F	120%		5	5	5	5
	600	@40°C/104°F	120%		5	5	5	5
	700	@40°C/104°F	120%		5	5	5	5
	750	@40°C/104°F	120%		5	5	5	5
	800	@40°C/104°F	120%		5	5	5	5
CTP60/12	500	@40°C/104°F	120%		5	5	5	5
	600	@40°C/104°F	120%		5	5	5	5
	700	@40°C/104°F	120%		10	10	10	10
	750	@40°C/104°F	120%		10	10	10	10
	800	@40°C/104°F	120%		10	10	10	10
	1000	@40°C/104°F	120%		10	10	10	10
CTP80/12	600	@40°C/104°F	120%		5	5	5	5
	700	@40°C/104°F	120%		5	5	5	5
	750	@40°C/104°F	120%		5	5	5	5
	800	@40°C/104°F	120%		5	5	5	5
	1000	@40°C/104°F	120%		10	10	10	10
	1500	@40°C/104°F	120%		10	10	10	10
	2000	@40°C/104°F	120%		10	10	10	10
	2500	@40°C/104°F	120%		10	10	10	10

**NOTE:**

1. A max overload of 120% for 1 min. every 30 min. is allowed.
2. A continuous overload of 120% of the range is allowed @ amb. temp. 40° C max.



## Model description

