

# Accessories

## Current Transformer, 1-Phase AC

### Type TAD 2, TAD 3



TAD2



TAD3

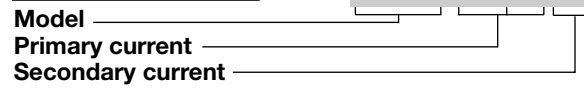
- Cable/bus-bar type current transformer
- DIN-rail, bus-bar and panel mounting facility
- TAD2: 0.5 class, currents from 150 to 500 A
- TAD3: 0.5 class, currents from 150 to 600 A

### Product Description

Cable/Bus-bar type current transformer with DIN-rail/bus-bar and panel mounting facility. Rated primary currents from 40 A to 600 A.

### Ordering Key

**TAD2100A 5A**



### Type Selection

Model	Primary Current
<b>TAD2:</b> Bus-bar size: 20 x 8 mm	Refer to Range Table
<b>TAD3:</b> Bus-bar size: 21 x 14 mm, 31 x 11 mm	

### Input Specifications

<b>Operating frequency</b>	40 to 60 Hz
<b>Max. system voltage</b>	0.72 kV
<b>Rated insulation level</b>	3 kV/1 min. @ 50 Hz
<b>Short-time current rating</b> $I_{th}$ $I_{dyn}$	Typical 100 $I_n$ /1 s 2.5 $I_{th}$ The short-time thermal current $I_{th}$ is anyway limited by the cable/bus-bar size
<b>Extended current rating</b>	120%
<b>Security factor (FS)</b>	≤ 5

### Output Specifications

<b>Rated secondary current</b>	5 A standard 1 A on request
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### General Specifications

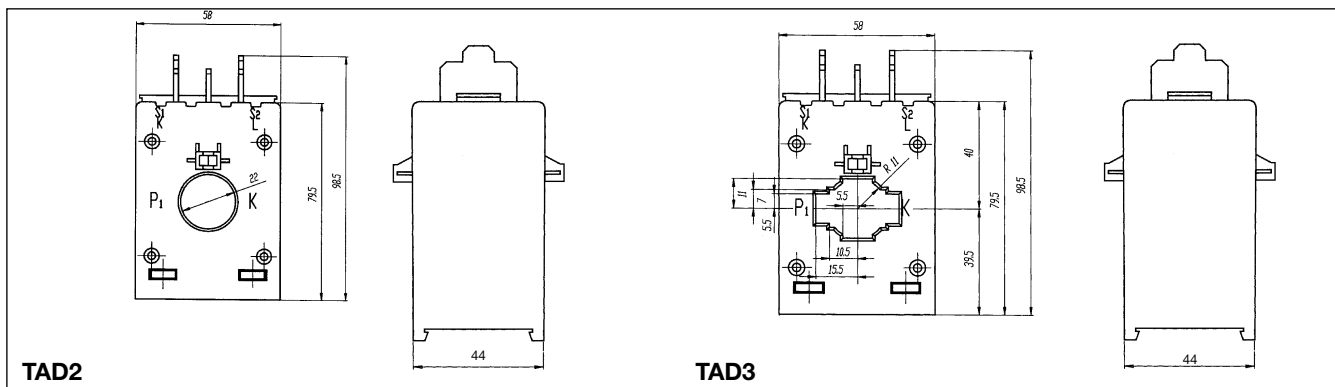
<b>Standards</b>	According to IEC 60185
<b>Housing</b>	ABS, self-extinguishing: UL 94 V-0
<b>Mounting</b>	DIN-rail 46277/bus-bar and panel mounting (bracket supplied with the CT)
<b>Standard accessories</b>	Screws + washers for secondary terminals Brackets for panel mounting Screws for cable/bus-bar mounting Sealable terminal block cover
<b>Special features</b>	1 A secondary current, double ratio obtained on the secondary Tropicalization
<b>Cable diameter</b>	Max. 22 mm
<b>Bus-bar size</b> TAD 2: TAD 3:	20 x 8 mm 21 x 14 mm or 31 x 11 mm

## Range Table

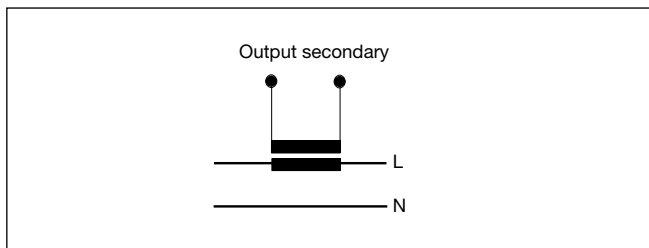
TAD2:				TAD3:		
Rated Primary Current	Rated secondary current 1 A/5 A			Rated Primary Current	Rated secondary current 1 A/5 A	
	Class 0.5 <sup>1)</sup> Burden	Class 1 <sup>1)</sup> Burden	Class 3 <sup>1)</sup> Burden		Class 0.5 <sup>1)</sup> Burden	Class 1 <sup>1)</sup> Burden
40 A	-	-	3 VA	100 A	-	3 VA
50 A	-	-	3 VA	150 A	3 VA	4 VA
60 A	-	-	3 VA	200 A	3 VA	4 VA
80 A	-	-	3 VA	250 A	5 VA	8 VA
100 A	-	3 VA	4 VA	300 A	5 VA	8 VA
150 A	3 VA	4 VA	6 VA	400 A	6 VA	10 VA
200 A	3 VA	4 VA	6 VA	500 A	6 VA	10 VA
250 A	5 VA	8 VA	10 VA	600 A	6 VA	10 VA
300 A	5 VA	8 VA	10 VA			
400 A	5 VA	8 VA	10 VA			
500 A	5 VA	8 VA	10 VA			

<sup>1)</sup> The accuracy class is depending on the burden output. For the same rated primary current, the higher the burden the lower the class (class down-grade).

## Dimensions (mm)



## Wiring Diagram



## Standard Accessories

- Sealable plastic cover for terminal block
- Brackets for panel mounting

