

Current and Voltage Controls

Current Transformer, 1-Phase AC

Type TAD 2, TAD 3

CARLO GAVAZZI



TAD2



TAD3

- Cable/bus-bar type current transformer
- DIN-rail, bus-bar and panel mounting facility
- TAD2: 0.5 class, currents from 150 to 300 A
- TAD3: 0.5 class, currents from 150 to 600 A



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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

Model _____
Primary current _____
Secondary current _____

Type Selection

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

Input Specifications

Operating frequency	40 to 60 Hz
Max. system voltage	0.72 kV
Rated insulation level	3 kV/1 min. @ 50 Hz
Short-time current rating 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
Extended current rating	120%
Security factor (FS)	≤ 5

Output Specifications

Rated secondary current	5 A standard 1 A on request
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General Specifications

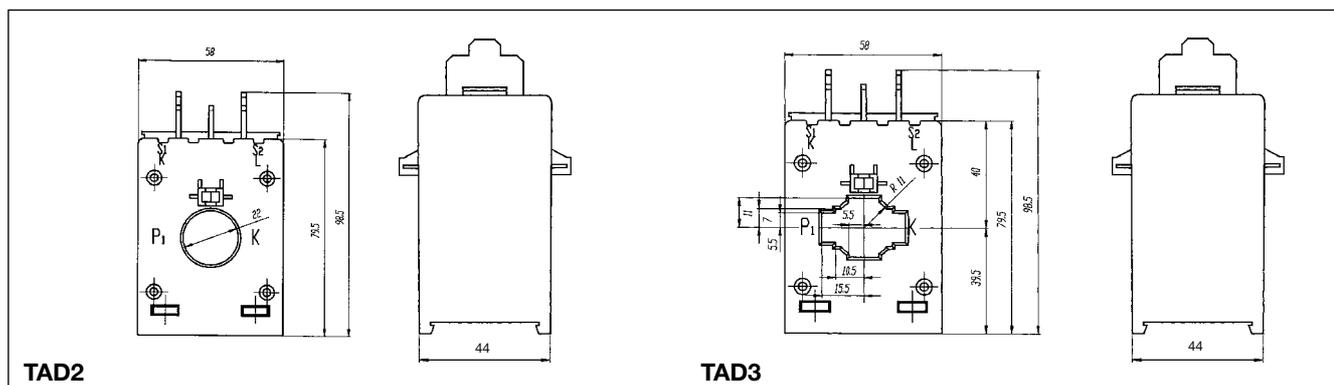
Standards	According to IEC 60185
Housing	ABS, self-extinguishing: UL 94 V-0
Mounting	DIN-rail 46277/bus-bar and panel mounting (bracket supplied with the CT)
Standard accessories	Screws + washers for secondary terminals Brackets for panel mounting Screws for cable/ bus-bar mounting Sealable terminal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

Range Table

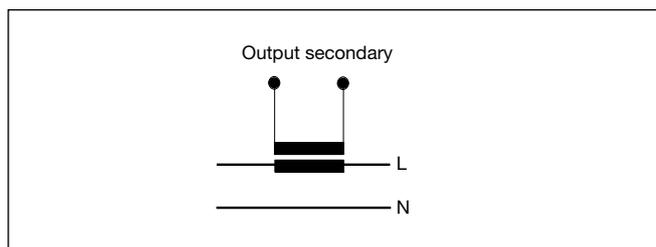
TAD2:				TAD3:		
Rated Primary Current	Rated secondary current 1 A/5 A			Rated Primary Current	Rated secondary current 1 A/5 A	
	Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden	Class 3 ¹⁾ Burden		Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden
40 A	-	-	3 VA	100 A	-	3 VA
50 A	-	-	3 VA	150 A	3 VA	4 VA
60 A	-	-	3 VA	200 A	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			

¹⁾ 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



Wiring Diagram



Standard Accessories

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

