

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

Product Description

Cable/Bus-bar type current transformer with DIN-rail/bus-bar and panel mounting faci-

lity. 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
-------------------------	--------------------------------

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

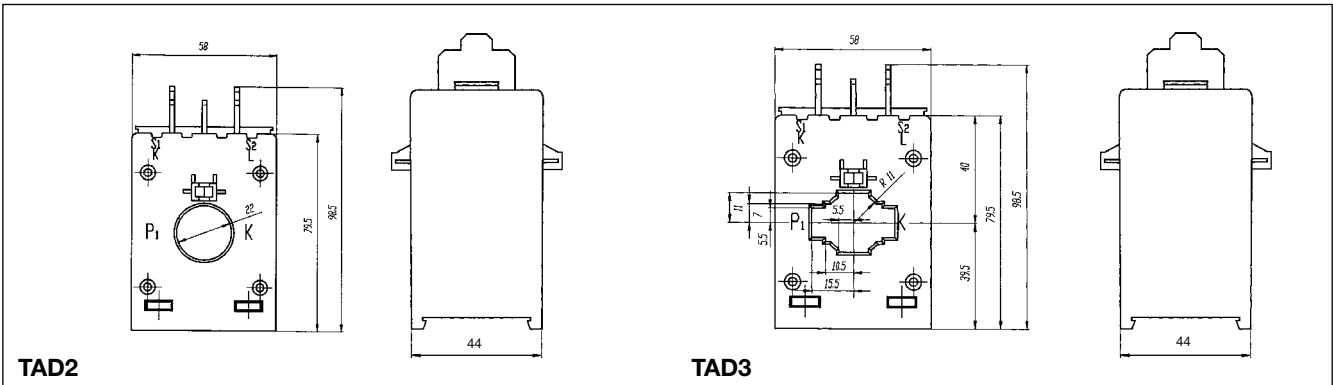


Range Table

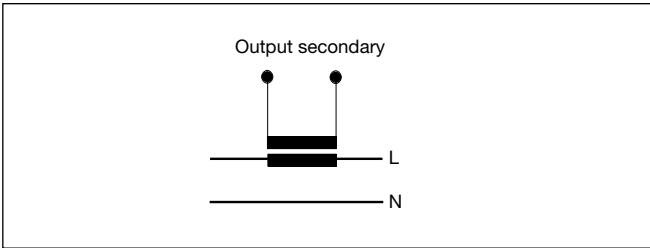
TAD2:				TAD3:			
Rated Primary Current	Rated secondary current 1 A/5 A			Rated Primary Current	Rated secondary current 1 A/5 A		
	Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden	Class 3 ¹⁾ Burden		Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden	
40 A	-	-	3 VA	100 A	-	3 VA	
50 A	-	-	3 VA	150 A	3 VA	4 VA	
60 A	-	-	3 VA	200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

