

Accessories

Current Transformer, 1-Phase AC

Type TAD 8, TAD 12



TAD 8



TAD 12

- Cable/bus-bar type current transformer
- Direct mounting on bus-bar
- TAD8: class 0.5, currents from 400 to 2500 A
- TAD12: class 0.5, currents from 800 to 4000 A

Product Description

Cable/bus-bar type current transformer for direct mounting. Rated primary currents from 400 A to 4000 A.

Ordering Key

TAD8 600A 5A

Model _____
 Primary current _____
 Secondary current _____

Type Selection

Model

TAD8: Bus-bar size:
 82 x 32 mm or
 65 x 34 mm

TAD12: Bus-bar size:
 127 x 51 mm or
 102 x 53 mm

Primary Current

Refer to Range Table

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	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
I _{th} I _{dyn}	
Extended current rating	120%
Security factor (FS)	≤ 5

General Specifications

Standards	According to IEC 60185
Housing	Self-extinguishing thermo-plastic insulated housing
Mounting	Direct mounting on bus-bar
Standard accessories	Double FAST-ON for secondary terminals Small bars for bus-bar mounting
Special features	1 A secondary current Sealable terminal cover Double ratio obtained on the secondary Tropicalization

Output Specifications

Rated secondary current	5 A standard 1 A on request
-------------------------	--------------------------------

Bus-bar size	
TAD 8:	82 x 32 mm or 65 x 34 mm
TAD 12:	127 x 51 mm or 102 x 53 mm



Range Table

TAD 8: Rated Primary Current	Rated secondary current 1 A/5 A			TAD 12: Rated Primary Current	Rated secondary current 1 A/5 A		
	Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden	Class 5P10 Burden		Class 0.5 ¹⁾ Burden	Class 1 ¹⁾ Burden	Class 5P10 Burden
400 A	4 VA	8 VA	5 VA	800 A	15 VA	30 VA	10 VA
500 A	6 VA	12 VA	5 VA	1000 A	20 VA	40 VA	10 VA
600 A	10 VA	20 VA	5 VA	1200 A	30 VA	60 VA	10 VA
800 A	15 VA	30 VA	5 VA	1500 A	40 VA	80 VA	10 VA
1000 A	20 VA	40 VA	5 VA	2000 A	50 VA	100 VA	10 VA
1200 A	30 VA	50 VA	5 VA	2500 A	60 VA	120 VA	10 VA
1500 A	40 VA	60 VA	5 VA	3000 A	80 VA	160 VA	10 VA
2000 A	50 VA	80 VA	5 VA	4000 A	100 VA	200 VA	10 VA
2500 A	60 VA	100 VA	5 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 (mm)



Wiring Diagram

