

# TACO, TAD

## Технические характеристики

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# Accessories

## Current Transformer, 1-Phase AC

### Types TACO 110, TACO 200



TACO 110



TACO 200

- Cable/bus-bar type current transformer
- Panel mounting facility
- TACO 110: class 0.5, currents from 800 to 4000 A
- TACO 200: class 0.5, currents from 1000 to 6000 A

### Product Description

Cable/bus-bar type current transformer with panel mounting facility. Rated primary currents from 800 A to 6000 A.

### Ordering Key

**TACO110800A 1A**

Model \_\_\_\_\_  
 Primary current \_\_\_\_\_  
 Secondary current \_\_\_\_\_

### Type Selection

#### Model

**TACO110:**  
 Cable diameter:  
 Max. 110 mm

**TACO200:**  
 Cable diameter:  
 Max. 200 mm

#### Primary current

See 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<br>$I_{th}$<br>$I_{dyn}$ | Typical $100 I_n / 1 s$<br>$2.5 I_{th}$<br>The short-time thermal current $I_{th}$ is anyway limited by the cable/bus-bar size |
| Security factor                                    | $\leq 5$   |

### General Specifications

|  |   |
|--|---|
| Standards                              | According to IEC 60185  |
| Housing<br>TACO 100<br><br>TACO 200    | Self-extinguishing thermoplastic insulated housing<br>Fully embodied in resin insulated housing |
| Mounting                               | Panel mounting by means of angle steel supplied with the CT                                     |
| Standard accessories                   | FAST-ON for secondary terminals<br>Angle steels for panel mounting<br>1 A secondary current     |
| Special features                       | Sealable terminal cover<br>Tropicalization  |
| Cable diameter<br>TACO 110<br>TACO 200 | Max. 110 mm<br>Max. 200 mm  |

### Output Specifications

|                         |                                |
|-------------------------|--------------------------------|
| Rated secondary current | 5 A standard<br>1 A on request |
|-------------------------|--------------------------------|

## Range Table

### TACO 110:

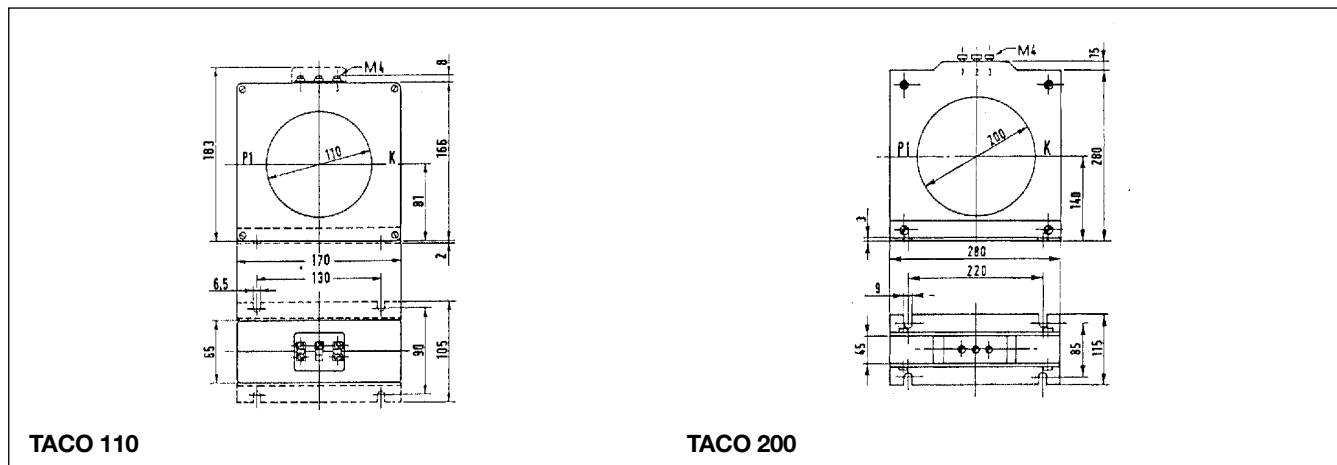
| Rated primary current | Rated secondary current 1 A/5 A   |                                 |                      |
|-----------------------|-----------------------------------|---------------------------------|----------------------|
|                       | Class 0.5 <sup>1)</sup><br>Burden | Class 1 <sup>1)</sup><br>Burden | Class 5P10<br>Burden |
| 800 A                 | 15 VA                             | 30 VA                           | 10 VA                |
| 1000 A                | 20 VA                             | 40 VA                           | 10 VA                |
| 1500 A                | 40 VA                             | 80 VA                           | 10 VA                |
| 2000 A                | 50 VA                             | 100 VA                          | 10 VA                |
| 2500 A                | 60 VA                             | 120 VA                          | 10 VA                |
| 3000 A                | 80 VA                             | 160 VA                          | 10 VA                |
| 4000 A                | 100 VA                            | 200 VA                          | 10 VA                |

### TACO 200:

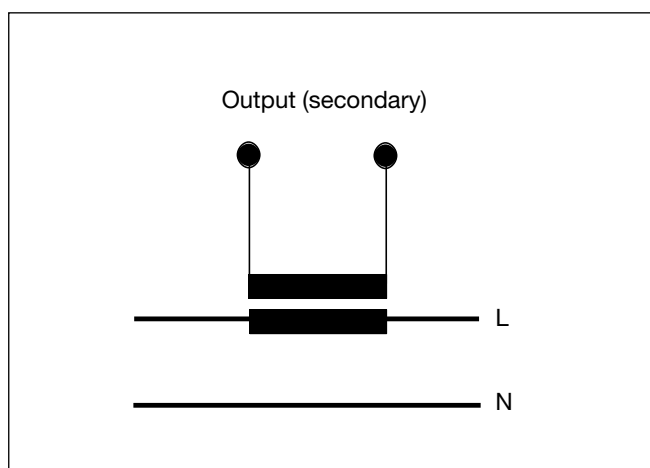
| Rated primary current | Rated secondary current 1 A/5 A   |                                 |                      |
|-----------------------|-----------------------------------|---------------------------------|----------------------|
|                       | Class 0.5 <sup>1)</sup><br>Burden | Class 1 <sup>1)</sup><br>Burden | Class 5P10<br>Burden |
| 1000 A                | 15 VA                             | 30 VA                           | 10 VA                |
| 1500 A                | 15 VA                             | 30 VA                           | 10 VA                |
| 2000 A                | 15 VA                             | 30 VA                           | 10 VA                |
| 2500 A                | 40 VA                             | 80 VA                           | 10 VA                |
| 3000 A                | 40 VA                             | 80 VA                           | 10 VA                |
| 4000 A                | 50 VA                             | 100 VA                          | 10 VA                |
| 5000 A                | 50 VA                             | 100 VA                          | 10 VA                |
| 6000 A                | 50 VA                             | 100 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



# 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 <sub>n</sub> / 1 s<br>2.5 I <sub>th</sub><br>The short-time thermal current I <sub>th</sub> is anyway limited by the cable/bus-bar size |
| I <sub>th</sub><br>I <sub>dyn</sub> |   |
| 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<br>Small bars for bus-bar mounting                                     |
| Special features     | 1 A secondary current<br>Sealable terminal cover<br>Double ratio obtained on the secondary<br>Tropicalization |

### Output Specifications

|                         |                                |
|-------------------------|--------------------------------|
| Rated secondary current | 5 A standard<br>1 A on request |
|-------------------------|--------------------------------|

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

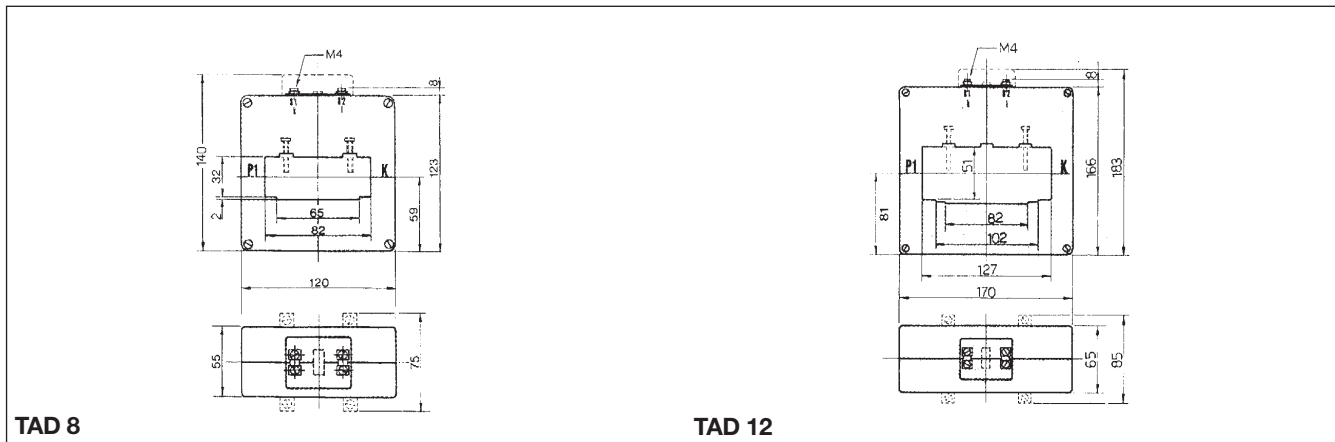


## Range Table

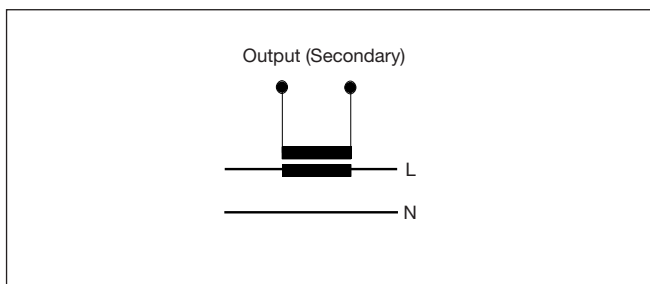
| TAD 8:                |                                 |                              |                   | TAD 12:               |                                 |                              |                   |
|-----------------------|---------------------------------|------------------------------|-------------------|-----------------------|---------------------------------|------------------------------|-------------------|
| 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 5P10 Burden |                       | Class 0.5 <sup>1)</sup> Burden  | Class 1 <sup>1)</sup> 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



# Accessories

## Current Transformer, 1-Phase AC

### Type TADK, TADK 2

CARLO GAVAZZI



TADK



TADK2

- Dry-type wound primary current transformer
- For low primary currents (TADK)
- For DIN-rail and panel mounting
- TADK: Class 0.5, currents from 1 to 250 A
- TADK2: Class 0.5, currents from 1 to 40 A

### Product Description

Dry-type wound primary current transformer with DIN-rail and panel mounting facility.

Rated primary currents from 1 A to 250 A.

### Ordering Key

**TADK 40A 5A**

Model \_\_\_\_\_  
 Primary current \_\_\_\_\_  
 Secondary current \_\_\_\_\_

### Type Selection

| Model                          | Primary current      |
|--------------------------------|----------------------|
| TADK: For low primary currents | Refer to Range Table |
| TADK2: Standard                |                      |

### 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 |                       |
| $I_{th}$                  | $60 I_n / 1 s$        |
| $I_{dyn}$                 | $2.5 I_{th}$          |
| Extended current rating   | 120%                  |
| Security factor (FS)      | $\leq 5$              |

### Output Specifications

|                         |                                    |
|-------------------------|------------------------------------|
| Rated secondary current | 5 A - standard<br>1 A - on request |
|-------------------------|------------------------------------|

### General Specifications

|                      |  |
|----------------------|--|
| Standards            | According to IEC 60185,  |
| Housing              | ABS, self-extinguishing: UL 94 V-0   |
| Mounting             | DIN-rail 46277 and panel mounting (by means of brackets supplied with the CT)  |
| Standard accessories | Screws + washers for primary and secondary terminals<br>Brackets for panel mounting<br>Sealable terminal block cover |
| Special features     | 1 A secondary current<br>Double ratio obtained on the secondary<br>Tropicalization                                   |

## Range Table

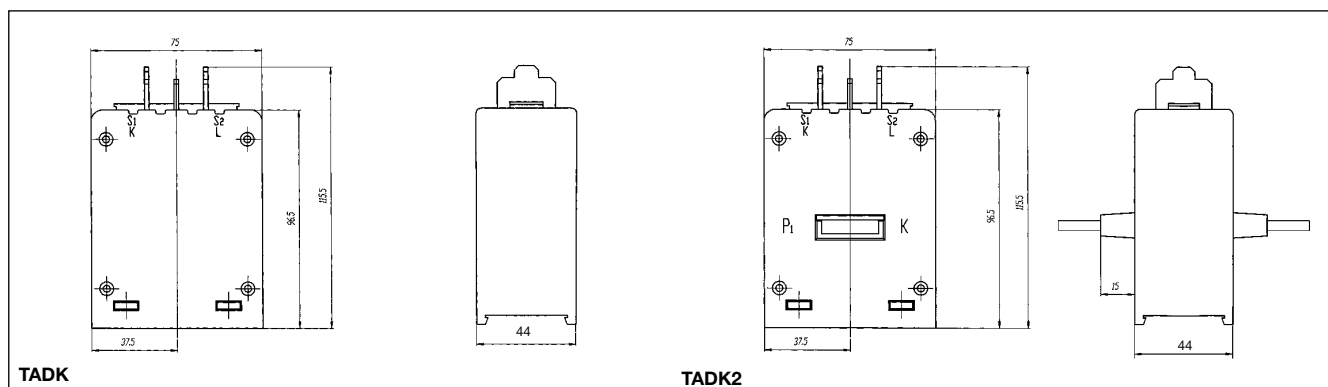
### TADK:

| Rated Primary Current | Rated secondary current 1 A/5 A |        |
|-----------------------|---------------------------------|--------|
|                       | Class                           | Burden |
| 1 A                   | 0.5                             | 10 VA  |
| 5 A                   | 0.5                             | 10 VA  |
| 10 A                  | 0.5                             | 10 VA  |
| 15 A                  | 0.5                             | 10 VA  |
| 25 A                  | 0.5                             | 10 VA  |
| 40 A                  | 0.5                             | 10 VA  |
| 50 A                  | -                               | -      |
| 60 A                  | -                               | -      |
| 80 A                  | -                               | -      |
| 100 A                 | -                               | -      |
| 150 A                 | -                               | -      |
| 200 A                 | -                               | -      |
| 250 A                 | -                               | -      |

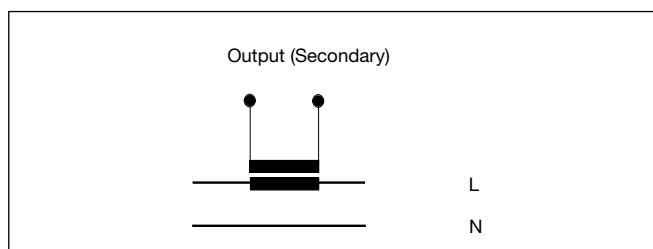
### TADK2:

| Rated Primary Current | Bus-bar (mm) | Rated secondary current 1 A/5 A |        |
|-----------------------|--------------|---------------------------------|--------|
|                       |              | Class                           | Burden |
| 1 A                   | 25 x 5       | 0.5                             | 10 VA  |
| 5 A                   | 25 x 5       | 0.5                             | 10 VA  |
| 10 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 15 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 25 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 40 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 50 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 60 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 80 A                  | 25 x 5       | 0.5                             | 10 VA  |
| 100 A                 | 25 x 5       | 0.5                             | 10 VA  |
| 150 A                 | 25 x 5       | 0.5                             | 10 VA  |
| 200 A                 | 25 x 5       | 0.5                             | 10 VA  |
| 250 A                 | 25 x 5       | 0.5                             | 10 VA  |

## Dimensions (mm)



## Wiring Diagram



## Standard Accessories

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



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