

# TQ-6 400 /5A

TQ-6 400 /5A, Split core current transformer

Code: M7402A. **CONSULTAR DISPONIBILIDAD**

> Flat strip(mm): 20 x 30
> System: Single-phase
> Class 0,5 Power (VA): 1
> Class 1 Power (VA): 2,5
> Class 3 Power (VA): 4
> Measurement Range (A): 400/5
> Input current: 400 A
> Transformer type: Split core

## Description

The **TQ** transformer range has been designed to facilitate installation thanks to its split core, which allows it to be installed without having to shut off the power, in both cable and busbar installations. Main features:

- Types from 100 to 5000 A in the primary
- Secondary encoding types.../5 A,.../1 A,.../250 mA
- Busbar dimension from 20 x 30 mm to 160 x 80 mm
- Certified transformers
- Accessory for DIN-rail mounting (not available for TQ-12)

## Application

Ideal for installations where the electricity cannot be shut off when installing the transformers.

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## Specifications

### Electrical characteristics

| | |
|---|---|
| Safety factor (SF) | 10 |
| Power | 1 VA(Class 0.5) , 2,5 VA(Class 1) , 4 VA(Class 3) |
| Insulation voltage between terminals S1-S2 | 3 kV |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 80 x 98.5 x 28 (mm) |
| Envelope | Plastic V0 self-extinguishing |
| Fastening | Mural or DIN rail by accessory |
| Weight (kg) | 0,3 |

### Environmental characteristics

| | |
|---|---|
| Thermal Class | class B (+130 °C) |
| Protection class | IP 20 |
| Relative humidity (without condensation) | 15 ... 85% |
| Storage temperature | -40 ... +85 °C |
| Working temperature | -5 ... +40 °C |

### Specific technical characteristics of current sensors

| | |
|---|---|
| Operating voltage | 0,72 kV~ máx. |

### Current measurement circuit

| | |
|---|---|
| Nominal frequency | 50 / 60 Hz |
| Primary current measurement | 400 A |
| Dynamic current (Idyn) | 2,5 Ith |
| Thermal short-circuit current (Ith) | 60 In |
| Transformation ratio | ... / 5 A |

### Standards

| | |
|---|---|
| Electrical safety, Maximum height (m) | 1000 |
| Standards | UNE-EN 61869-1, UNE-EN 61869-2, UNE 21031, UL 94 |

For other configurations see table of additional features



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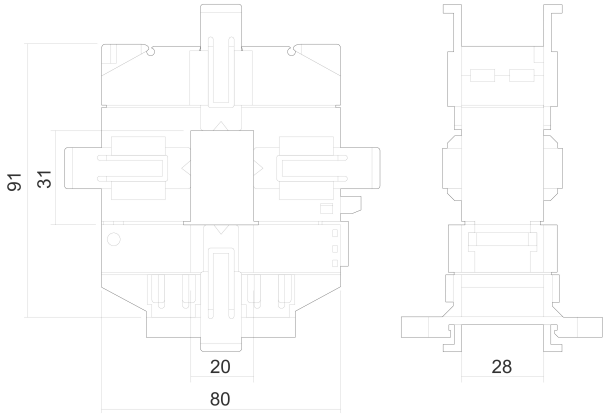
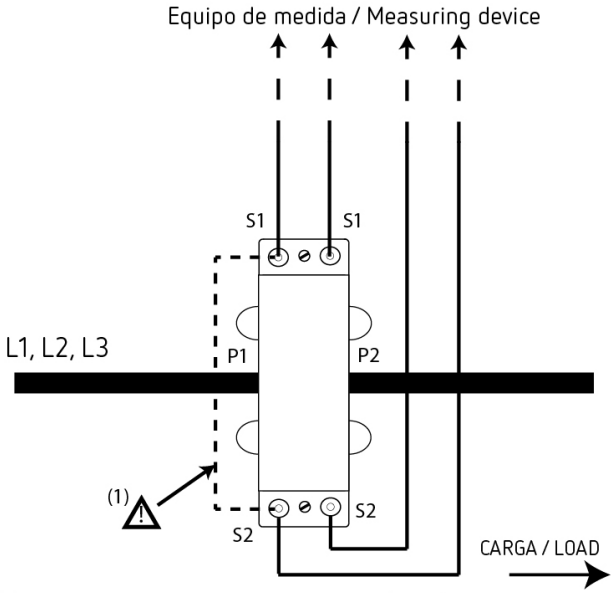
## Dimensions




## Connections




(1) Una vez cableado el secundario del transformador (S1 y S2) al equipo de medida, eliminar el puente realizado entre los secundarios de tensión /
Once the secondary of the transformer (S1 and S2) is wired to the measuring device,disconnect the jumper installed between the secondary current.



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