



## TP8 150/5

TP8 150/5, Current transformers split core, flat strip 60x80 mm

Code: M78022.

- > Flat strip(mm): 60X80
- > Inner diameter (mm): 60
- > System: Single-phase
- > Class 3 Power (VA): 1,5
- > Measurement Range (A): 150/5
- > Input current: 150
- > Transformer type: Split core

### Description

The **TP** 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:

- Primary currents from 75 to 5000 A.
- Secondary currents.../5 A and.../1 A.
- Busbar dimension from 30 x 30 mm to 160 x 80 mm.
- Safety lock for the TP-10 and TP-12 models.
- Sealable terminals and cable fastening accessories included.

### Application

Ideal for installations where it is not possible to shut off the electricity or dismantle the installation in order to install the transformers.



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### Specifications

#### Electrical characteristics

|  |                 |
|--|-----------------|
| Safety factor (SF)                         | 10              |
| Power                                      | 1.5 VA(Class 3) |
| Insulation voltage between terminals S1-S2 | 3 kV            |

#### Mechanical characteristics

|                                  |                                |
|----------------------------------|--------------------------------|
| Size (mm) width x height x depth | 138 x 51 x 154.8 (mm)          |
| Envelope                         | Plastic V0 self-extinguishing  |
| Fastening                        | Mural or DIN rail by accessory |
| Weight (kg)                      | 0,55                           |

#### 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         | 150 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, UL 94 |

#### TP

Current transformers, split core

| CODE | TYPE | Measurement Range (A) | Flat strip(mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|------|------|-----------------------|----------------|----------------------|--------------------|--------------------|
| TP   |      |                       |                |                      |                    |                    |



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| CODE    | TYPE        | Measurement Range (A) | Flat strip(mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------|-------------|-----------------------|----------------|----------------------|--------------------|--------------------|
| M78011. | TP6 75/5    | 75/5                  | 30x30          | -                    | -                  | 1                  |
| M78012. | TP6 100/5   | 100/5                 | 30x30          | -                    | -                  | 1                  |
| M78013. | TP6 150/5   | 150/5                 | 30x30          | -                    | -                  | 1                  |
| M78014. | TP6 200/5   | 200/5                 | 30x30          | -                    | -                  | 2                  |
| M78015. | TP6 250/5   | 250/5                 | 30x30          | -                    | 1                  | 2                  |
| M78016. | TP6 300/5   | 300/5                 | 30x30          | 0.5                  | 1                  | 2                  |
| M78017. | TP6 400/5   | 400/5                 | 30x30          | 1                    | 2.5                | 4                  |
| M78021. | TP8 100/5   | 100/5                 | 60X80          | -                    | -                  | 1                  |
| M78022. | TP8 150/5   | 150/5                 | 60X80          | -                    | -                  | 1.5                |
| M78023. | TP8 200/5   | 200/5                 | 60X80          | -                    | -                  | 1.5                |
| M78024. | TP8 250/5   | 250/5                 | 60X80          | -                    | 1                  | 2                  |
| M78025. | TP8 300/5   | 300/5                 | 60X80          | -                    | 1                  | 2.5                |
| M78026. | TP8 400/5   | 400/5                 | 60X80          | 1                    | 1.5                | 3                  |
| M78027. | TP8 500/5   | 500/5                 | 60X80          | 2                    | 5                  | 7.5                |
| M78028. | TP8 600/5   | 600/5                 | 60X80          | 2                    | 5                  | 8                  |
| M78029. | TP8 700/5   | 700/5                 | 60X80          | 2                    | 5                  | 8                  |
| M7802A. | TP8 750/5   | 750/5                 | 60X80          | 2.5                  | 5                  | 10                 |
| M7802B. | TP8 800/5   | 800/5                 | 60X80          | 3                    | 6                  | 10                 |
| M7802C. | TP8 1000/5  | 1000/5                | 60X80          | 5                    | 8                  | 15                 |
| M78031. | TP10 500/5  | 500/5                 | 80x120         | -                    | 4                  | 12                 |
| M78032. | TP10 600/5  | 600/5                 | 80x120         | -                    | 5                  | 14                 |
| M78033. | TP10 750/5  | 750/5                 | 80x120         | 3                    | 6                  | 17                 |
| M78034. | TP10 800/5  | 800/5                 | 80x120         | 3                    | 7                  | 18                 |
| M78035. | TP10 1000/5 | 1000/5                | 80x120         | 5                    | 9                  | 20                 |
| M78036. | TP10 1200/5 | 1200/5                | 80x120         | 6                    | 11                 | 24                 |
| M78037. | TP10 1250/5 | 1250/5                | 80x120         | 7                    | 15                 | 28                 |
| M78038. | TP10 1500/5 | 1500/5                | 80x120         | 8                    | 17                 | 30                 |
| M78039. | TP10 1600/5 | 1600/5                | 80x120         | 8                    | 17                 | 30                 |
| M7803A. | TP10 2000/5 | 2000/5                | 80x120         | 8                    | 17                 | 30                 |
| M7803B. | TP10 2500/5 | 2500/5                | 80x120         | 8                    | 17                 | 30                 |
| M78041. | TP12 1000/5 | 1000/5                | 80x160         | 10                   | 15                 | 20                 |
| M78042. | TP12 1500/5 | 1500/5                | 80x160         | 15                   | 20                 | 25                 |
| M78043. | TP12 1600/5 | 1600/5                | 80x160         | 15                   | 20                 | 25                 |
| M78044. | TP12 2000/5 | 2000/5                | 80x160         | 15                   | 20                 | 25                 |
| M78045. | TP12 2500/5 | 2500/5                | 80x160         | 15                   | 20                 | 25                 |
| M78046. | TP12 3000/5 | 3000/5                | 80x160         | 20                   | 25                 | 30                 |
| M78047. | TP12 4000/5 | 4000/5                | 80x160         | 20                   | 25                 | 30                 |
| M78048. | TP12 5000/5 | 5000/5                | 80x160         | 20                   | 25                 | 30                 |



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For greater currents, use: transformer + transducer

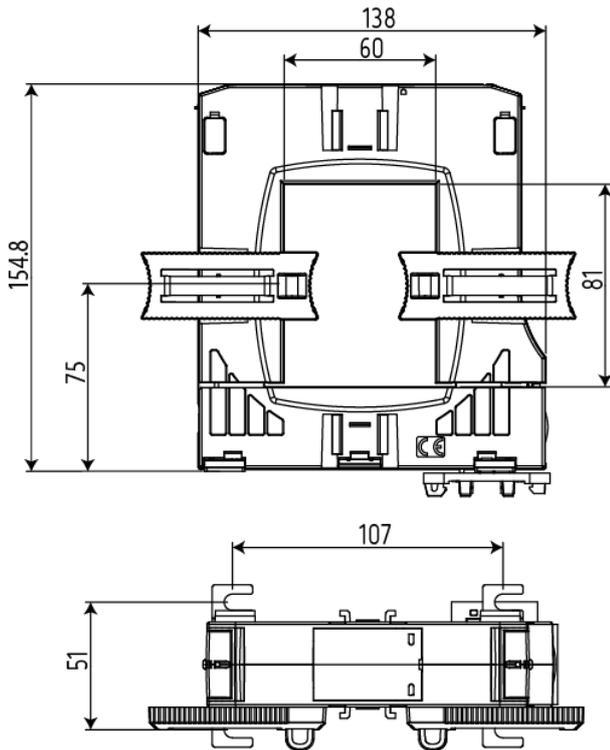


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## Dimensions



## Connections

