

## TP-812 1600 /5A

TP-812 1600 /5A, Split core current transformers

Code: M70149. DESCATALOGADO

- > Flat strip(mm): 80 x 120
- > System: Single-phase
- > Class 0,5 Power (VA): 8
- > Class 1 Power (VA): 17
- > Class 3 Power (VA): 30
- > Measurement Range (A): 1600/5
- > Input current: 1600 A
- > Transformer type: Split core

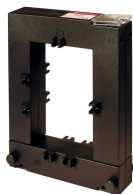
### Description

Open-core transformers that can measure current without having to interrupt the electric supply. In other words, the installation does not have to be dismantled in order to install them.

- Range: 100 to 5000 A
- Busbar dimensions: 20 x 30 mm to 80 x 160 mm
- The transformer certificate is attached.

### Application

Converting a high nominal current to a lower current so that it can be measured by the unit. They have a split core and can be installed with no need to interrupt the installation's power supply.



## TP-812 1600 / 5A

Split-core measurement current transformer

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### Specifications

#### Electrical characteristics

|                    |                  |
|--------------------|------------------|
| Safety factor (SF) | FS 10            |
| Power              | 8 VA (Class 0,5) |

#### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 185 x 144 x 50 (mm) |
| Weight (kg)                      | 1,192               |

#### Environmental characteristics

|                     |                   |
|---------------------|-------------------|
| Thermal Class       | Class B (+130 °C) |
| Working temperature | -5 ... 40 °C      |

#### Specific technical characteristics of current sensors

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

#### Current measurement circuit

|                                     |           |
|-------------------------------------|-----------|
| Primary current measurement         | 1600 A    |
| Dynamic current (Idyn)              | 2,5 Ith   |
| Thermal short-circuit current (Ith) | 60 In     |
| Transformation ratio                | ... / 5 A |

#### Standards

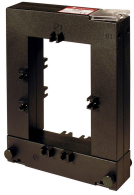
|           |   |
|-----------|---|
| Standards | IEC 44-1, UNE 21 088-1, UL 94, VDE 0414 |
|-----------|---|

#### TP-vell

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) |
|--------------|--------------|-----------------------|----------------|----------------------|--------------------|--------------------|
| <b>TP-58</b> |              |                       |                |                      |                    |                    |
| M7012B.      | TP-58 200/5A | 200/5                 | 50 x 80        | -                    | -                  | 3                  |

For other configurations see table of additional features

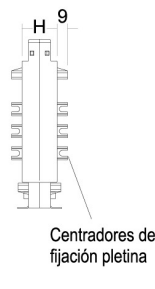
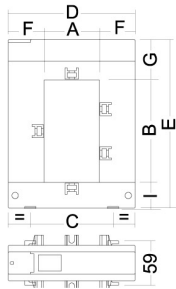


## TP-812 1600 / 5A

Split-core measurement current transformer

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### Dimensions



| mm | TP-23 | TP-58 | TP-88 | TP-812 | TP-816 |
|----|-------|-------|-------|--------|--------|
| a  | 20    | 50    | 80    | 80     | 80     |
| b  | 30    | 80    | 80    | 120    | 160    |
| c  | 51    | 78    | 108   | 108    | 120    |
| d  | 89    | 114   | 144   | 144    | 184    |
| e  | 110   | 145   | 145   | 185    | 245    |
| f  | 34    | 32    | 32    | 32     | 52     |
| g  | 47    | 32    | 32    | 32     | 47     |
| h  | 40    | 32    | 32    | 32     | 52     |
| i  | 32    | 32    | 32    | 32     | 38     |