



## TM45 25/5A

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TM45 25/5A, Current transformers, winding primary, DIN rail

Code: M70605.

- > System: Single-phase
- > Class 0,5 Power (VA): 2,5
- > Class 1 Power (VA): 5
- > Class 3 Power (VA): 7
- > Measurement Range (A): 25/5
- > Input current: 25 A
- > Transformer type: Winding primary

### Description

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- Types: from 1 to 40 A
- Wound primary
- Assembly on DIN rail

### Application

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Converting a high nominal current to a lower current so that it can be measured by the unit. In installations where the nominal current is not too high or a transformer has to be installed on the DIN rail.



## TM45 25/5A

Current transformers, busbar and winding primary

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### Specifications

#### Electrical characteristics

|                    |                    |
|--------------------|--------------------|
| Safety factor (SF) | FS < 5             |
| Power              | 2.5 VA (Class 0,5) |

#### Mechanical characteristics

|                                  |                                    |
|----------------------------------|------------------------------------|
| Size (mm) width x height x depth | 52.5 x 85 x 70 (mm)                |
| Envelope                         | Plastic wrap V0 self-extinguishing |
| Fastening                        | DIN rail                           |
| Weight (kg)                      | 0,299                              |

#### Environmental characteristics

|               |                   |
|---------------|-------------------|
| Thermal Class | Class A (+105 °C) |
|---------------|-------------------|

#### Specific technical characteristics of current sensors

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

#### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 25 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 |
|-----------|---|

#### TM45

Current transformers, winding primary, DIN rail

| CODE    | TYPE        | Measurement Range (A) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------|-------------|-----------------------|----------------------|--------------------|--------------------|
| M70601. | TM45 5 /5A  | 5/5                   | 2,5                  | 5                  | 7                  |
| M70602. | TM45 10 /5A | 10/5                  | 2,5                  | 5                  | 7                  |
| M70603. | TM45 15 /5A | 15/5                  | 2,5                  | 5                  | 7                  |
| M70604. | TM45 20 /5A | 20/5                  | 2,5                  | 5                  | 7                  |
| M70605. | TM45 25/5A  | 25/5                  | 2,5                  | 5                  | 7                  |
| M70606. | TM45 30 /5A | 30/5                  | 2,5                  | 5                  | 7                  |
| M70607. | TM45 40 /5A | 40/5                  | 2,5                  | 5                  | 7                  |
| M70608. | TM45 50 /5A | 50/5                  | 2,5                  | 5                  | 7                  |



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| CODE    | TYPE       | Measurement Range (A) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------|------------|-----------------------|----------------------|--------------------|--------------------|
| M70609. | TM45 1 /5A | 1/5                   | 2,5                  | 5                  | 7                  |

For other configurations see table of additional features



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### Dimensions

### Connections

