



TM45 50 /5A

TM45 50 /5A, Current transformers, winding primary, DIN rail

Code: M70608.

- > System: Single-phase
- > Class 0,5 Power (VA): 2,5
- > Class 1 Power (VA): 5
- > Class 3 Power (VA): 7
- > Measurement Range (A): 50/5
- > Input current: 50 A
- > Transformer type: Winding primary

Description

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

Application

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.



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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) | 0,28 |

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 | 50 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 |
|-----------|-----------------------------------------|

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| 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

