

## TC6 400/5A

TC6 400/5A, Current transformers narrow section

Code: M70335.

- > Flat strip(mm): 30 x 15 | 20 x 10 | 40 x 10
- > System: Single-phase
- > Class 0,5 Power (VA): 5
- > Class 1 Power (VA): 7,5
- > Class 3 Power (VA): 10
- > Measurement Range (A): 400/5
- > Input current: 400 A
- > Transformer type: Closed core

## Specifications

### Electrical characteristics

|                    |                  |
|--------------------|------------------|
| Safety factor (SF) | FS 5             |
| Power              | 7.5 VA (Class 1) |

### Mechanical characteristics

|                                  |   |
|----------------------------------|---|
| Size (mm) width x height x depth | 64 x 87.5 x 71.2 (mm)                     |
| Envelope                         | Plastic wrap V0 self-extinguishing, UL 94 |
| Fastening                        | DIN rail with accessory                   |
| Weight (kg)                      | 0,71                                      |

### Environmental characteristics

|  |                   |
|--|-------------------|
| Thermal Class                            | Class B (+130 °C) |
| Protection class                         | IP 20             |
| Relative humidity (without condensation) | 15 ... 95 %       |

### Specific technical characteristics of current sensors

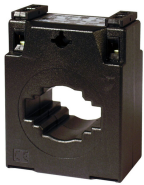
|                       |               |
|-----------------------|---------------|
| Inner diameter Ø (mm) | 28,5          |
| Operating voltage     | 0,72 kV~ max. |

### Current measurement circuit

|  |                     |
|--|---------------------|
| Nominal frequency                                | 50 / 60 Hz          |
| Primary current measurement                      | 400 A               |
| Dynamic current (I <sub>dyn</sub> )              | 2,5 I <sub>th</sub> |
| Thermal short-circuit current (I <sub>th</sub> ) | 60 I <sub>n</sub>   |
| Transformation ratio                             | ... / 5 A           |

### Standards

|           |                                  |
|-----------|----------------------------------|
| Standards | IEC 61869-1, IEC 61869-2, BS2627 |
|-----------|----------------------------------|

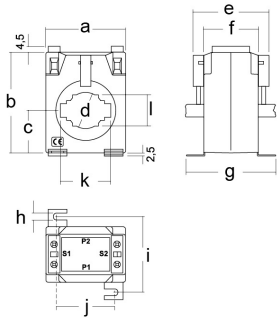


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### Dimensions



|   | TC 5<br>TCH 5 | TC 5.2<br>TCH 5.2 | TC 6.2<br>TCH6.2 | TC 6<br>TCH 6 | TC 8<br>TCH 8 | TC 10<br>TCH 10 |
|---|---------------|-------------------|------------------|---------------|---------------|-----------------|
| a | 58            | 58                | 64               | 64            | 84,5          | 108             |
| b | 70            | 70                | 80,5             | 80,5          | 102           | 130             |
| c | 29            | 29                | 34               | 34            | 46            | 61              |
| d | 20,3          | 22                | 26               | 28,5          | 44            | 63              |
| e | 45            | 45                | 60,5             | 66,5          | 69            | ---             |
| f | 32            | 32                | 44               | 44            | 50            | 50              |
| g | 59            | 59                | 71               | 71,2          | 78            | 78              |
| h | 5,6           | 5,6               | 5,6              | 5,6           | 6,6           | 6,6             |
| i | 48            | 48                | 60               | 60            | 64            | 64              |
| j | 39            | 39                | 46               | 46            | 62            | 86              |
| k | 25,6          | 30,6              | 30,6             | 40,6          | 60,6          | 80,6            |
| l | 15,6          | 15,6              | 20,6             | 25,2          | 30,6          | 50,8            |