



## TQR-10 800/5A

TQR-10 800/5A, Split core current transformer

Code: M7604F.

- > Inner diameter (mm): 105
- > System: Single-phase
- > Class 0,5 Power (VA): 3
- > Class 1 Power (VA): 7
- > Class 3 Power (VA): 15
- > Measurement Range (A): 800/5
- > Input current: 800 A
- > Transformer type: Split core

### Specifications

#### Electrical characteristics

|  |   |
|--|---|
| Permanent overload                         | 1,2 In                                  |
| Safety factor (SF)                         | 10                                      |
| Power                                      | 3(Class 0.5) , 7(Class 1) , 15(Class 3) |
| Insulation voltage between terminals S1-S2 | 3 kV                                    |

#### Mechanical characteristics

|                                  |   |
|----------------------------------|---|
| Size (mm) width x height x depth | 240 x 198.71 x 43.41 (mm)                 |
| Envelope                         | Plastic wrap V0 self-extinguishing, UL 94 |
| Fastening                        | Mural or DIN rail by accessory            |
| Weight (kg)                      | 1,5                                       |

#### Environmental characteristics

|  |                                      |
|--|--------------------------------------|
| Thermal Class                            | Class B (+130 °C)                    |
| Protection class                         | IP 40 / IP 65 with protection gasket |
| Relative humidity (without condensation) | 15 ... 85%                           |
| Storage temperature                      | -40 ... +80 °C                       |
| Working temperature                      | -10 ... +60 °C                       |

#### Specific technical characteristics of current sensors

|                                 |               |
|---------------------------------|---------------|
| Inner diameter $\emptyset$ (mm) | 105           |
| Operating voltage               | 0,72 kV~ max. |

#### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 800 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 |
|---------------------------------------|------|



## TQR-10 800/5A

Code: M7604F.

Standards

UNE-EN 61869-2, UL 94

### TQR-10

Current transformers split core, maximum conductor diameter 105 mm

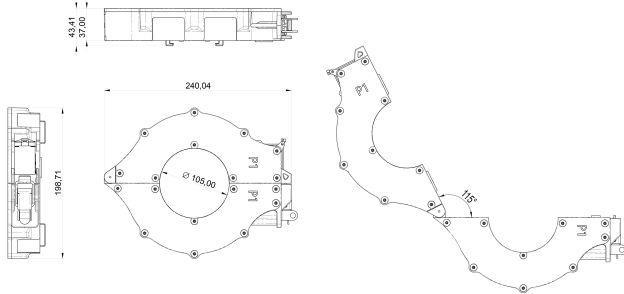
| CODE          | TYPE           | Measurement Range (A) | Inner diameter (mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------------|----------------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| <b>TQR-8</b>  |                |                       |                     |                      |                    |                    |
| M76037.       | TQR-8 400/5A   | 400/5                 | 80                  | -                    | 1,5                | 3                  |
| M76039.       | TQR-8 500/5A   | 500/5                 | 80                  | 1                    | 1,5                | 3                  |
| M7603B.       | TQR-8 600/5A   | 600/5                 | 80                  | 1,5                  | 2                  | 4                  |
| M7603D.       | TQR-8 700/5A   | 700/5                 | 80                  | 2                    | 4                  | 8                  |
| M7603E.       | TQR-8 750/5A   | 750/5                 | 80                  | 2,5                  | 5                  | 10                 |
| M7603F.       | TQR-8 800/5A   | 800/5                 | 80                  | 3                    | 7                  | 15                 |
| M7603J.       | TQR-8 1000/5A  | 1000/5                | 80                  | 5                    | 8                  | 16                 |
| M7603L.       | TQR-8 1250/5A  | 1250/5                | 80                  | 6                    | 10                 | 20                 |
| M7603M.       | TQR-8 1500/5A  | 1500/5                | 80                  | 6                    | 10                 | 20                 |
| M7603N.       | TQR-8 2000/5A  | 2000/5                | 80                  | 8                    | 15                 | 25                 |
| <b>TQR-10</b> |                |                       |                     |                      |                    |                    |
| M7604B.       | TQR-10 600/5A  | 600/5                 | 105                 | 1,5                  | 2                  | 4                  |
| M7604D.       | TQR-10 700/5A  | 700/5                 | 105                 | 2                    | 4                  | 8                  |
| M7604E.       | TQR-10 750/5A  | 750/5                 | 105                 | 2,5                  | 5                  | 10                 |
| M7604F.       | TQR-10 800/5A  | 800/5                 | 105                 | 3                    | 7                  | 15                 |
| M7604J.       | TQR-10 1000/5A | 1000/5                | 105                 | 5                    | 8                  | 16                 |
| M7604L.       | TQR-10 1250/5A | 1250/5                | 105                 | 6                    | 10                 | 20                 |
| M7604M.       | TQR-10 1500/5A | 1500/5                | 105                 | 6                    | 10                 | 20                 |
| M7604N.       | TQR-10 2000/5A | 2000/5                | 105                 | 8                    | 15                 | 25                 |



# TQR-10 800/5A

Code: M7604F.

## Dimensions



## Connections

