



## TQR-8 750/5A

TQR-8 750/5A, Split core current transformer

Code: M7603E.

- > Inner diameter (mm): 80
- > System: Single-phase
- > Class 0,5 Power (VA): 2,5
- > Class 1 Power (VA): 5
- > Class 3 Power (VA): 10
- > Measurement Range (A): 750/5
- > Input current: 750 A
- > Transformer type: Split core

### Description

The range of TQR transformers has been designed to facilitate the installation through its split core that allows for its placement without interrupting the supply, both in installations with cable and with flat beds. Its main features are:

- Types up to 2000 A of current
- Codifiable types in secondary current ... /5 A, .../1 A and ... /250 mA
- 80 mm rounded inner diameter
- Certified transformers
- Possibility of clamping bedplate with flange

### Application

Ideal for installations where it is not possible to interrupt the power supply to install the transformers.



# TQR-8 750/5A

Code: M7603E.

## Specifications

### Electrical characteristics

|  |   |
|--|---|
| Permanent overload                         | 1,2 In                                    |
| Safety factor (SF)                         | 10  |
| Power                                      | 2,5(Class 0.5) , 5(Class 1) , 10(Class 3) |
| Insulation voltage between terminals S1-S2 | 3 kV                                      |

### Mechanical characteristics

|                                  |   |
|----------------------------------|---|
| Size (mm) width x height x depth | 216 x 173 x 43.1 (mm)                     |
| Envelope                         | Plastic wrap V0 self-extinguishing, UL 94 |
| Fastening                        | Mural or DIN rail by accessory            |
| Weight (kg)                      | 0,952                                     |

### 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 Ø (mm) | 80            |
| Operating voltage     | 0,72 kV~ máx. |

### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 750 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                  |
| Standards                             | UNE-EN 61869-2, UL 94 |

TQR  
Current transformers split core

| CODE  | TYPE | Measurement Range (A) | Inner diameter (mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|-------|------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| TQR-8 |      |                       |                     |                      |                    |                    |



TQR-8 750/5A

Code: M7603E.

| CODE    | TYPE           | Measurement Range (A) | Inner diameter (mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------|----------------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| 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                 |
| TQR-10  |                |                       |                     |                      |                    |                    |
| 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                 |

For other configurations see table of additional features



## TQR-8 750/5A

Code: M7603E.

### Dimensions



### Connections

