

BT series
TIMER BTMF-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



The BTMF timing relay has 5 different timing functions. These are set via a rotary switch on the front. The delay and pulse times are selectable between 0.1sec. and 1 hour.

The timing relay is built into an Insta enclosure just 17.5 mm wide.

On the output side there is a relay contact with a switching capacity of 250 V/ 5 A.

General ordering data

| | |
|------------|--|
| Order No. | 8647680000 |
| Type | TIMER BTMF-S |
| Version | BT series, Timing relay, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24...230 V AC, 24...48 V DC, Continuous current: 5 A, Screw connection |
| GTIN (EAN) | 4032248308880 |
| Qty. | 10 pc(s). |

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Technical data**Ratings**

| | | | |
|-----------------------------|------------------|----------|--|
| Conductor connection system | Screw connection | Humidity | 35...85 % rel. humidity, no condensation |
| UL 94 flammability rating | V-2 | | |

Dimensions and weights

| | | | |
|-------|---------|------------|--------|
| Width | 17.5 mm | Height | 80 mm |
| Depth | 73 mm | Net weight | 75.4 g |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -10 °C...+55 °C | Storage temperature | -25 °C...+65 °C |
|-----------------------|-----------------|---------------------|-----------------|

Input

| | | | |
|-----------------------|-----------------------------|-----------------|-----------------|
| Rated control voltage | 24...230 V AC, 24...48 V DC | Power rating | ≤ 0.4 VA, 1.6 W |
| Time ranges | 0.10 s - 120 h | Repeat accuracy | ± 1 % |

Output

| | | | |
|----------------------------|-------|--------------------|-----|
| Max. switching voltage, AC | 250 V | Continuous current | 5 A |
|----------------------------|-------|--------------------|-----|

Contact specifications

| | | | |
|----------------------------------|--|-------------------------|--|
| No. of contacts | 1 | Contact design | CO contact |
| Contact material | AgNi 90/10 | Mechanical service life | 10 ⁷ switching cycles (no load, 1800/h) |
| Electrical service life, DC coil | 10 ⁵ switching cycles (5A at 250 Vac, ohm load at 1800/h) | Contact resistance | 100 MΩ min., at 500 V DC |

Insulation coordination

| | |
|-------------------|--------------------------|
| Protection degree | IP 30 // terminals IP 20 |
|-------------------|--------------------------|

Other technical data

| | |
|---------|--------------|
| Version | Timing relay |
|---------|--------------|

Further details of approvals / standards

| | | | |
|----------------------|------------|-----------|-------|
| Certificate No. (UR) | E223474OMR | Standards | UL508 |
|----------------------|------------|-----------|-------|

Rated data UL

| | |
|----------------------|------------|
| Certificate No. (UR) | E223474OMR |
|----------------------|------------|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001439 | ETIM 3.0 | EC001439 |
| UNSPSC | 30-21-19-17 | eClass 4.1 | 27-14-23-10 |
| eClass 5.1 | 27-14-23-10 | eClass 6.0 | 27-14-23-10 |
| eClass 7.0 | 27-14-23-10 | | |

Data sheet...

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Technical data

Approvals

Approvals



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Declaration of Conformity [K258_08_03.pdf](#)