

**BT series
TIMER BTMF-Z**

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.	8647690000
Type	TIMER BTMF-Z
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, Tension clamp connection
GTIN (EAN)	4032248308897
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Tension clamp 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	71.9 g

Temperatures

Operating temperature	-10 °C...+55 °C	Storage temperature	-25 °C...+65 °C
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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
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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
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Other technical data

Version	Timing relay
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Further details of approvals / standards

Certificate No. (UR)	E223474OMR	Standards	UL508
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Rated data UL

Certificate No. (UR)	E223474OMR
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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		

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Technical data

Approvals

Approvals



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Declaration of Conformity [K258_08_03.pdf](#)