



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**BT series**  
**TIMER BTM-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 BTM timing relay has 8 different timing functions which can be set via a rotary switch on the front. Delay/clock times can be selected between 0.1 second and 120 hours.

The component has an additional control input on the input side which must be activated for the respective timing function.

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.	<a href="#">8647710000</a>
Type	TIMER BTM-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)	4032248308910
Qty.	1 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	75 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 <sup>7</sup> switching cycles (no load, 1800/h)
Electrical service life, DC coil	10 <sup>5</sup> 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

**Downloads**Declaration of Conformity [K258\\_08\\_03.pdf](#)