

**BT series**  
**TIMER BTM-S**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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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="#">8647700000</a>
Type	TIMER BTM-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)	4032248308903
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	78.9 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 <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		

**Data sheet...**

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**Technical data**

**Approvals**

Approvals



**Downloads**

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