

**BT-SERIES
TIMER BTTT-S**

Weidmüller Interface GmbH & Co. KG
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Product image

BTT installation timing relay as universal clock generator.
After connecting the voltage supply, two independently adjustable times (off and operating conditions) are counted down.

The timing relay is built into an Insta enclosure just 17.5 mm wide. The relay contact is designed as a changeover contact with 250 V/5 A switching capacity.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Type	TIMER BTTT-S
Order No.	8647740000
Version	BT-SERIES, Clock generator, Number 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)	4032248308941
Qty.	10 pc(s).
Alternative product	2697260000

Creation date July 8, 2020 7:55:14 AM CEST

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Technical data
Dimensions and weights

Width	17.5 mm	Width (inches)	0.689 inch
Height	80 mm	Height (inches)	3.15 inch
Depth	74 mm	Depth (inches)	2.913 inch
Net weight	79 g		

Temperatures

Humidity	35...85 % rel. humidity, no condensation	Operating temperature, max.	55 °C
Operating temperature, min.	-10 °C	Storage temperature, max.	65 °C
Storage temperature, min.	-25 °C	Operating temperature	-10 °C...55 °C
Storage temperature	-25 °C...65 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E223474	Certificate No. (UR)	E223474
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Input

Rated control voltage	24...48 V DC + 10 % / - 15 % / 24...230 V AC + 10 % / - 15 %	Power rating	≤ 0.4 VA, 1.6 W
Pull-in/drop-out voltage, typ.	20.4 V / 2.4 V AC 20.4 V / 2.4 V DC	Status indicator	Duo-LED orange lights permanently: relay closed, Duo-LED green: relay output off
Repeat accuracy	± 1 %	Setting tolerance	10 %
Min. pulse duration	50 ms	Time ranges	0.1 s - 1.2 s, 1 s - 12 s, 0.1 min - 1.2 min, 1 min - 12 min, 0.1 h - 1.2 h, 1 h - 12 h
Max. reset time after voltage interruption	100 ms		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	5 A	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	120 W @ 24 V		

Contact data

Contact type	1 CO contact (AgNi 90/10)	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	Mechanical service life	10 ⁷ switching cycles (no load, 1800/h)

General data

Rail	TS 35	Test button	No
Mechanical switch position indicator	No	Colour	beige
UL 94 flammability rating	V-2		

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Technical data
Insulation coordination

Protection degree	IP20	Dielectric strength, Input/Output	2 kV _{eff} / 1 min
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Further details of approvals / standards

Standards	UL508	Certificate No. (CSA)	219713
Certificate No. (UR)	E223474	Certificate No. (cURus)	E223474

Connection data

Wire connection method	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, max.	0.98 Nm	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²
Blade size	size PH1		

Classifications

ETIM 6.0	EC001439	ETIM 7.0	EC001439
eClass 9.0	27-37-16-05	eClass 9.1	27-37-16-05
eClass 10.0	27-37-16-05	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS	Conform
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Downloads

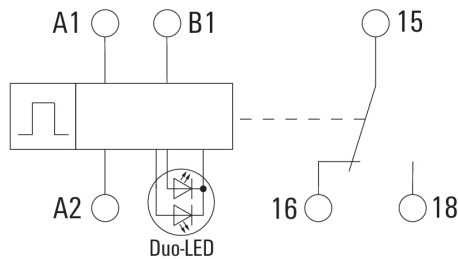
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Time functions BTTT-Timer

BT-SERIES TIMER BTTT-S

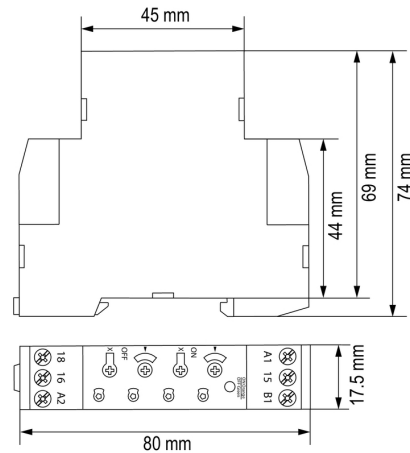
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Drawings

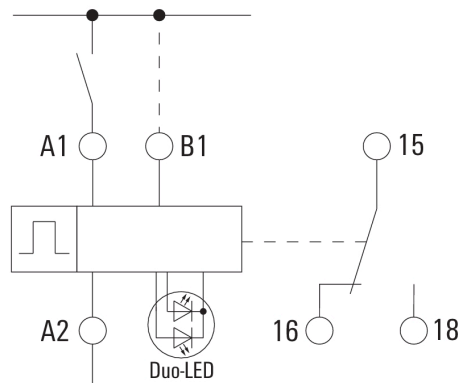
Wiring diagram



Dimensional drawing

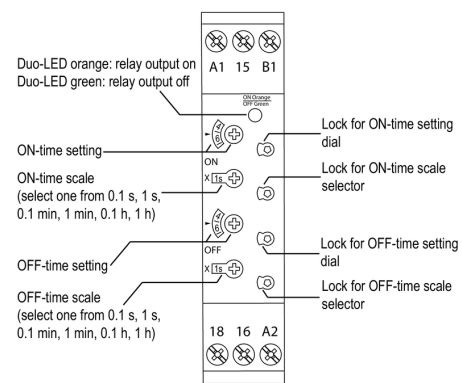


Example of use



Wiring example

Dimensional drawing



Detailed drawing

Graph

