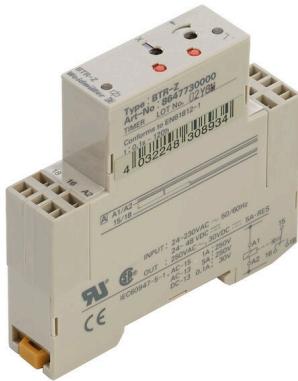


TIMER BTR-Z

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



General ordering data

Version	BT-SERIES. On-delay timing relay, Number 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
Order No.	8647730000
Type	TIMER BTR-Z
GTIN (EAN)	4032248308934
Qty.	10 items
Delivery status	Discontinued
Available until	2021-12-31T00:00:00+01:00
Alternative product	TFIS 24-240VUC 1CO ON

TIMER BTR-Z

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E223474

Dimensions and weights

Depth	74 mm	Depth (inches)	2.9134 inch
Height	80 mm	Height (inches)	3.1496 inch
Width	17.5 mm	Width (inches)	0.689 inch
Net weight	70.9 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus) E223474

Control side

Rated control voltage	24...230 V AC, 24...48 V DC	Power rating	≤ 0.4 VA, 1.6 W
Status indicator	LED green: supply voltage, LED orange: relay output on	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, 10 h - 120 h
Setting tolerance	10 %	Max. reset time after voltage interruption	100 ms
Min. pulse duration	50 ms	Repeat accuracy	± 1 %

Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching voltage, AC	250 V	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	120 W @ 24 V	Contact type	1 CO contact (AgNi 90/10)
Electrical service life, DC coil	105 switching cycles (5A at 250 Vac, ohm load at 1800/h)	Mechanical service life	107 switching cycles (no load, 1800/h)

General data

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

Creation date 18.02.2026 07:51:26 MEZ

Catalogue status / Drawings

TIMER BTR-Z

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Technical data

Insulation coordination

Dielectric strength, Input/Output	2 kVeff / 1 min	Protection degree	IP20
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Further details of approvals / standards

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

Connection data

Wire connection method	Tension-clamp connection	Stripping length, rated connection	7 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.2 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 24
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.2 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire connection cross section, finely stranded, min.	0.2 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.2 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.2 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	0.5 mm ²	Blade size	0.4 x 2.5 mm

Classifications

ETIM 8.0	EC001439	ETIM 9.0	EC001439
ETIM 10.0	EC001439	ECLASS 14.0	27-37-16-05
ECLASS 15.0	27-37-16-05		

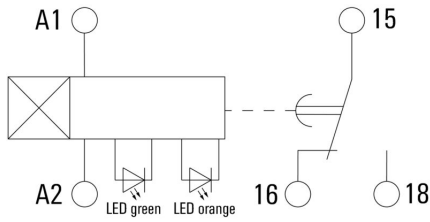
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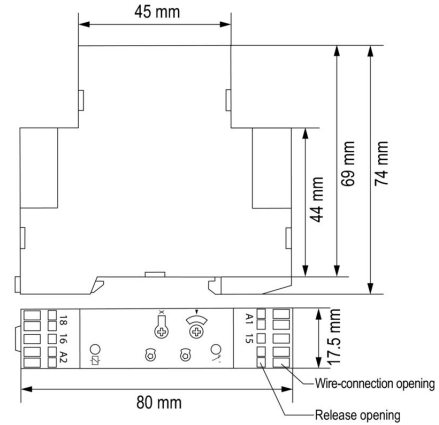
www.weidmueller.com

Drawings

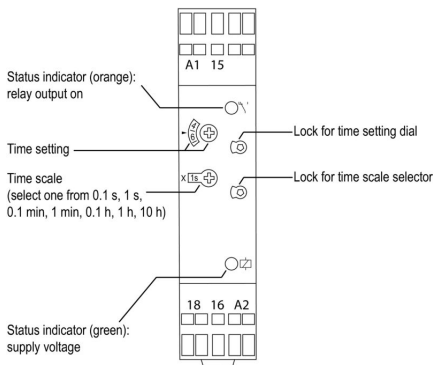
Wiring diagram



Dimensional drawing

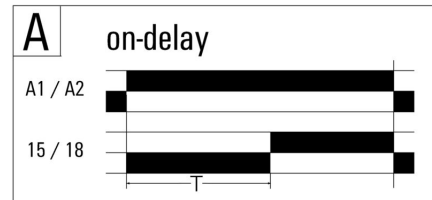


Dimensional drawing



Detailed drawing

Graph



Time functions

TIMER BTR-Z

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Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.4X2.5X75	Version
Order No.	2749790000	Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm
GTIN (EAN)	4050118896534	
Qty.	1 ST	

Type	SDS 0.4X2.5X75	Version
Order No.	2749320000	Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm
GTIN (EAN)	4050118895544	
Qty.	1 ST	

BT-SERIES

General ordering data

Type	BT LOCK PEN	Version
Order No.	8659840000	BT-SERIES, Operating tool
GTIN (EAN)	4032248322572	
Qty.	5 ST	