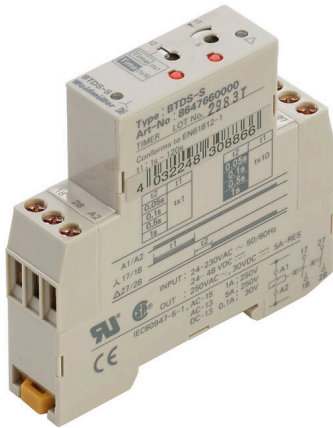


TIMER BTR-S

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

www.weidmueller.com

Product image



Similar to illustration

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, Screw connection
Order No.	864720000
Type	TIMER BTR-S
GTIN (EAN)	4032248308927
Qty.	1 items
Delivery status	Discontinued
Available until	2021-12-31T00:00:00+01:00
Alternative product	TFIS 24-240VUC 1CO ON

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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	68 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 19.02.2026 07:07:08 MEZ

Catalogue status / Drawings

TIMER BTR-S

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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	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 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		

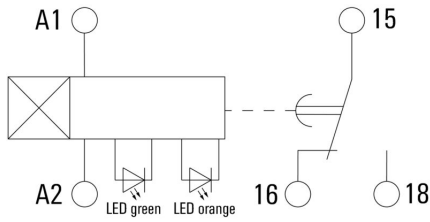
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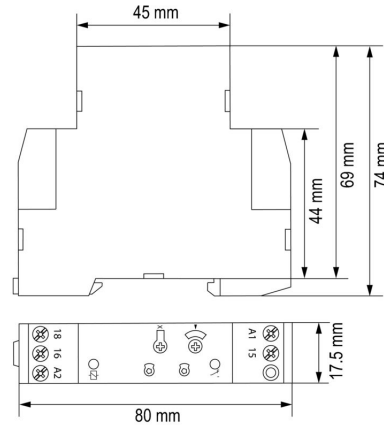
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Drawings

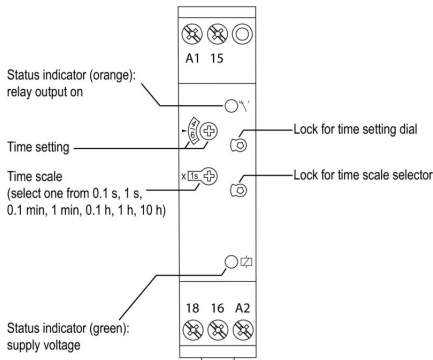
Wiring diagram



Dimensional drawing

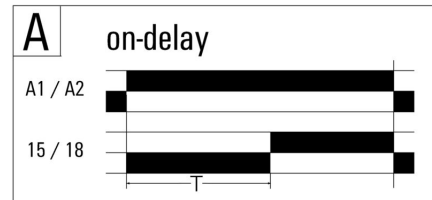


Dimensional drawing



Detailed drawing

Graph



Time functions

TIMER BTR-S

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Accessories

Crosshead screwdriver Phillips



Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

General ordering data

Type	SDK PH1 X 80	Version	
Order No.	2749410000	Screwdriver, Blade width (B): 4.5 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118895636		
Qty.	1 ST		
Type	SDIK PH1 X 80	Version	
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		

Crosshead screwdriver, Phillips



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIK SLIM PH1 X 80	Version	
Order No.	2749650000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118896398		
Qty.	1 ST		

BT-SERIES

Accessories

General ordering data

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