

TIMER BTR-S

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

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Fax. +49 5231 14-2083

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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.	8647720000
Type	TIMER BTR-S
GTIN (EAN)	4032248308927
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Alternative product	2697280000

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Technical data

Dimensions and weights

Depth	74 mm	Depth (inches)	2.913 inch
Height	80 mm	Height (inches)	3.15 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 °C
Humidity	35...85 % rel. humidity, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (UR)	E223474	Certificate No. (cURus)	E223474
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Control side

Rated control voltage	24...230 V AC, 24...48 V DC	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	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	10 ⁵ switching cycles (5A at 250 Vac, ohm load at 1800/h)	Mechanical service life	10 ⁷ switching cycles (no load, 1800/h)

General data

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

Insulation coordination

Dielectric strength, Input/Output	2 kV _{eff} / 1 min	Protection degree	IP20
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Creation date June 3, 2022 7:00:51 PM CEST

Catalogue status 20.05.2022 / We reserve the right to make technical changes.

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Technical data

Further details of approvals / standards

Standards	UL508	Certificate No. (CSA)	www.weidmueller.com 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
ETIM 8.0	EC001439	ECLASS 9.0	27-37-16-05
ECLASS 9.1	27-37-16-05	ECLASS 10.0	27-37-16-05
ECLASS 11.0	27-37-16-05	ECLASS 12.0	27-37-16-05

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Time functions BTR-Timer
Catalogues	Catalogues in PDF-format
Brochures	

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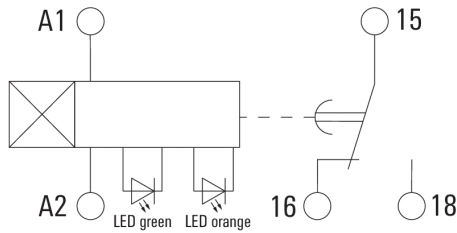
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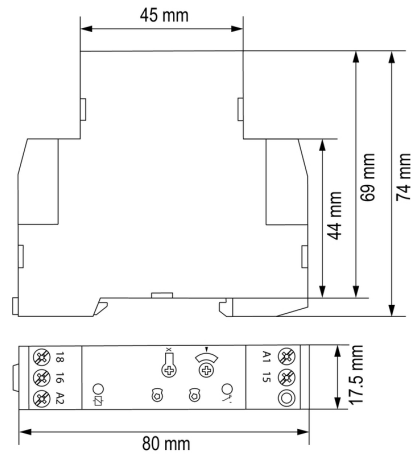
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Drawings

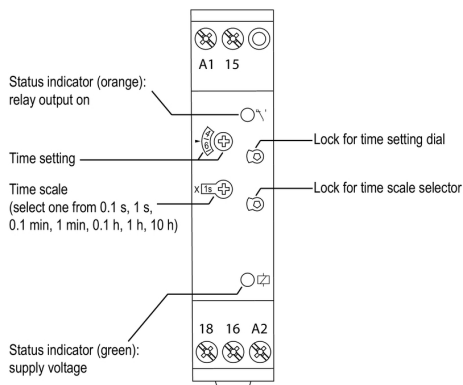
Wiring diagram



Dimensional drawing info@weidmueller.com

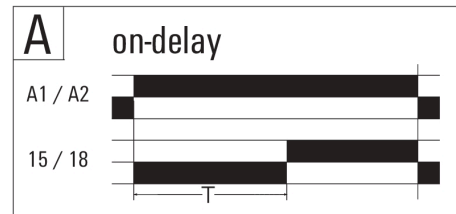


Dimensional drawing



Detailed drawing

Graph



Time functions

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Accessories

Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PH1 X 80	Version
Order No.	2749890000	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	

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 length: 80 mm
GTIN (EAN)	4050118895636	
Qty.	1 pc(s).	