

Timer relay - ETD-BL-1T-ON- 10S - 2917379

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Timer relay with switch-on delay (voltage-controlled) and an adjustable time range (0.1 s - 10 s), with screw connection

Product Description

Compact timer relay in 6.2 mm housing for controlling time sequences.

The time is set on the front of the device using a labeled thumbwheel, which is recessed to protect against accidental modification. A screwdriver is used to change the settings (blade width 2.5 mm).


The compact timer relays are available with different time ranges as well as with a screw, spring-cage, and push-in connection.

Why buy this product

- 6.2 mm narrow design width
- High level of setting accuracy thanks to labeled and illuminated thumb wheel



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 365734
GTIN	4046356365734
Weight per Piece (excluding packing)	36.270 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Permissible humidity (operation)	15 % ... 85 %

Timer relay - ETD-BL-1T-ON- 10S - 2917379

Technical data

Ambient conditions

Noise immunity	EN 61000-6-2
	When being exposed to interference, there may be minimal deviations.

Coil side

Input voltage range	24 V DC (19.2 V DC ...30 V DC)
Function	ON: With switch-on delay
Time setting range	0.1 s ... 10 s

Contact side

Contact type	1 floating PDT
Output fuse	6.3 A (fast-blow)

General

Status display	Green LED (POWER) Yellow LED (relay active)
Mechanical service life	approx. 2×10^7 cycles
Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Color	green
Housing insulation material	Polyamide PA, self-extinguishing
Permissible humidity (operation)	15 % ... 85 %
Rated insulation voltage	300 V AC (acc. to EN 50178)
Conformance	CE-compliant
ATEX	# II 3 G Ex nA nC IIC T4 Gc X
UL, USA/Canada	UL/C-UL listed UL 508
GL	GL EMC 1 C

Connection data

Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	12
Stripping length	8 mm
Connection method	Screw connection

Control contact

Control pulse length	min. 50 ms
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Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2

Timer relay - ETD-BL-1T-ON- 10S - 2917379

Technical data

Standards and Regulations

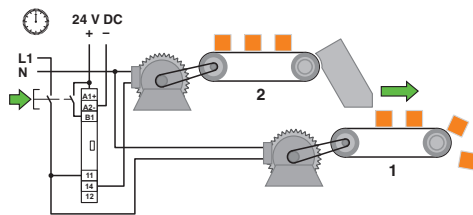
Low Voltage Directive	Conformance with LV directive 2006/95/EC
Flammability rating according to UL 94	V0
Conformance	CE-compliant
ATEX	# II 3 G Ex nA nC IIC T4 Gc X
UL, USA/Canada	UL/C-UL listed UL 508
GL	GL EMC 1 C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

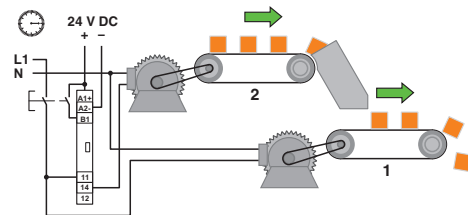
Drawings

Application drawing



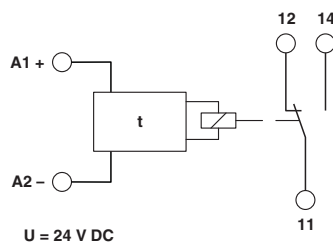
Conveyor belt 1 starts immediately

Application drawing



Conveyor belt 2 stars with a time delay

Block diagram



Classifications

eCl@ss

eCl@ss 5.0	27371701
eCl@ss 5.1	27371700
eCl@ss 6.0	27371700
eCl@ss 7.0	27371790
eCl@ss 8.0	27371605

Timer relay - ETD-BL-1T-ON- 10S - 2917379

Classifications

eCl@ss

eCl@ss 9.0	27371605
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ETIM

ETIM 2.0	EC001439
ETIM 3.0	EC001439
ETIM 4.0	EC001439
ETIM 5.0	EC001439
ETIM 6.0	EC001439

UNSPSC

UNSPSC 6.01	30211920
UNSPSC 7.0901	39121519
UNSPSC 11	39121519
UNSPSC 12.01	39121519
UNSPSC 13.2	39122329

Approvals

Approvals

Approvals


UL Listed / cUL Listed / GL / GL-SW / EAC / GL / cULus Listed

Ex Approvals

ATEX

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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GL		http://exchange.dnv.com/tari/	75808-09 HH
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GL-SW			75808-09 HH
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Approvals

EAC		RU C- DE.**08.B-00957
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GL		http://www.gl-group.com/newbuilding/approvals/index.html
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cULus Listed
