

# 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

The figure shows the ETD-BL-1T-ON- 10S 2917379 version

## 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 pc
GTIN	 4 046356 365734
Weight per Piece (excluding packing)	50.3 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

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## Technical data

### Ambient conditions

Permissible humidity (operation)	15 % ... 85 %
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. $2 \times 10^7$ 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 (According 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 <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
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

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## Technical data

### Standards and Regulations

Noise immunity	EN 61000-6-2
Flammability rating according to UL 94	V0
Low Voltage Directive	Conformance with LV directive 2006/95/EC
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

## Classifications

### eCl@ss

eCl@ss 4.0	27371103
eCl@ss 4.1	27371103
eCl@ss 5.0	27371701
eCl@ss 5.1	27371701
eCl@ss 6.0	27371790
eCl@ss 7.0	27371790
eCl@ss 8.0	27371605
eCl@ss 9.0	27371605

### ETIM

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

### UNSPSC

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

## Approvals

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#### Approvals

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

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## Approvals

Ex Approvals

ATEX

Approvals submitted

## Approval details

UL Listed

cUL Listed

GL

GL-SW

EAC

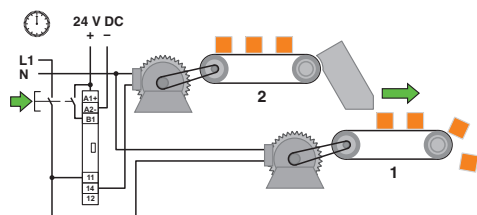
EAC

GL

cULus Listed

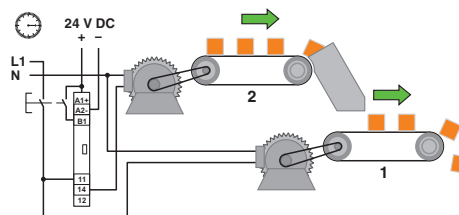
## Drawings

Application drawing



Conveyor belt 1 starts immediately

Application drawing



Conveyor belt 2 starts with a time delay

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Block diagram

