

## Timer relay - ETD-BL-1T-ON-CC- 30MIN - 2917434

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Timer relay with switch-on delay (with control contact) and an adjustable time range (0.3 min - 30 min), with screw connection

The figure shows the ETD-BL-1T-ON-CC- 10S 2917418 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.

### Product Features

- 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     |
| Weight per Piece (excluding packing) | 60.0 g   |
| Custom tariff number                 | 85364900 |
| 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 |
|---------------------------------|------------------|

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## Technical data

### Ambient conditions

|   |  |
|---|--|
| Ambient temperature (storage/transport) | -25 °C ... 80 °C   |
| 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-CC: With switch-on delay with control contact |
| Time setting range  | 0.3 min. ... 30 min.                             |

### Contact side

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

### General

|                                  |  |
|----------------------------------|--|
| Status display                   | Green LED (POWER)<br>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

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## Technical data

### Control contact

|                      |                               |
|----------------------|-------------------------------|
| Connection name      | Non-floating, terminals A1-B1 |
| Control pulse length | min. 50 ms                    |

### Standards and Regulations

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

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## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

ATEX

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#### Approvals submitted

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## Approval details

UL Listed 


cUL Listed 

GL

GL-SW

EAC

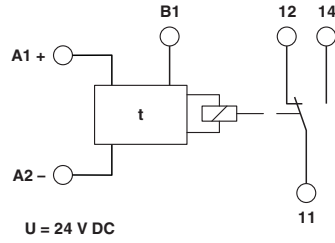
GL

cULus Listed 

## Drawings

# Timer relay - ETD-BL-1T-ON-CC- 30MIN - 2917434

Block diagram



## Данный компонент на территории Российской Федерации

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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