

## Timer relay - ETD-BL-1T-ON-300S - 2917382

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Timer relay with switch-on delay (voltage-controlled) and an adjustable time range (3 s - 300 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.

### 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) | 80.0 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 |
|---------------------------------|------------------|

# Timer relay - ETD-BL-1T-ON-300S - 2917382

## 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: With switch-on delay       |
| Time setting range  | 3 s ... 300 s                  |

### 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

# Timer relay - ETD-BL-1T-ON-300S - 2917382

## Technical data

### Control contact

|                      |            |
|----------------------|------------|
| 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 |

# Timer relay - ETD-BL-1T-ON-300S - 2917382

## Approvals

### Approvals

---

#### Approvals

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

---

#### Ex Approvals


ATEX


---

#### Approvals submitted

---

## Approval details

UL Listed 

cUL Listed 

GL

GL-SW

EAC

EAC

GL

cULus Listed 

## Drawings

# Timer relay - ETD-BL-1T-ON-300S - 2917382

Block diagram

