

## Timer relay - ETD-BL-1T-OFF-CC-300S - 2917463

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Timer relay with off delay (with control contact) and an adjustable time range (3 s - 300 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                                 | <br>4 046356 367776 |
| GTIN                                 | 4046356367776                                                                                           |
| Weight per Piece (excluding packing) | 50.900 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 |
| Ambient temperature (storage/transport) | -25 °C ... 80 °C |
| Permissible humidity (operation)        | 15 % ... 85 %    |

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## 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            | OFF-CC: Off delay with control contact |
| 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)                                      |
|                                  | 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 (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 <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

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

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## Technical data

### Standards and Regulations

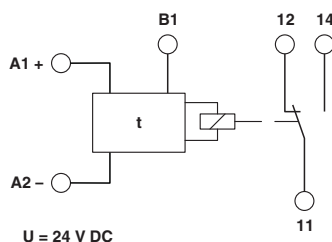
|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Noise immunity                         | EN 61000-6-2                             |
| Low Voltage Directive                  | 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

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 |
| eCl@ss 9.0 | 27371605 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001439 |
| ETIM 3.0 | EC001439 |
| ETIM 4.0 | EC001439 |
| ETIM 5.0 | EC001439 |
| ETIM 6.0 | EC001439 |

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## Classifications

### 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 |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 172140 |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|            |                                                                                     |                                                                                                                                                       |               |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 172140 |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|    |                                                                                     |                                                                           |             |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------|
| GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | 75808-09 HH |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------|

|       |  |  |             |
|-------|--|--|-------------|
| GL-SW |  |  | 75808-09 HH |
|-------|--|--|-------------|

|     |                                                                                     |  |                          |
|-----|-------------------------------------------------------------------------------------|--|--------------------------|
| EAC |  |  | RU C-<br>DE.**08.B-00957 |
|-----|-------------------------------------------------------------------------------------|--|--------------------------|

|    |                                                                                                                                                                         |                                                                                                                                 |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|
| GL |   | <a href="http://www.gl-group.com/newbuilding/approvals/index.html">http://www.gl-group.com/newbuilding/approvals/index.html</a> |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|

|              |  |  |  |
|--------------|--|--|--|
| cULus Listed |  |  |  |
|--------------|--|--|--|

