

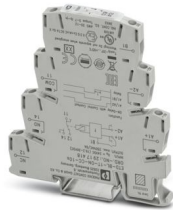
ETD-BL-1T-ON-CC- 10S - Timer relay



2917418

<https://www.phoenixcontact.com/us/products/2917418>

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Timer relay with switch-on delay (with control contact) 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.

Your advantages

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2917418 |
| Packing unit | 1 pc |
| Sales key | C442 |
| Product key | DK66ZZ |
| GTIN | 4046356365741 |
| Weight per piece (including packing) | 70.9 g |
| Weight per piece (excluding packing) | 39 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

Technical data

Product properties

| | |
|-------------------------|--------------------------------|
| Product type | Timer relay |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 2×10^7 cycles |

Insulation characteristics

| | |
|----------------------|------------------|
| Insulation | Basic insulation |
| Overvoltage category | III |
| Pollution degree | 2 |

Electrical properties

| | |
|--------------------------|---|
| Service life electrical | approx. 2×10^5 cycles at ohmic load, 1000 VA |
| Rated insulation voltage | 300 V AC |
| Rated surge voltage | 6 kV |

Input data

| | |
|----------------------|---|
| Input voltage range | 24 V DC (19.2 V DC ... 30 V DC) |
| Nominal current typ. | 15 mA (Relay ON) 7 mA (Relay OFF) |
| Function | ON-CC: With switch-on delay with control contact |
| Setting range time | 0.1 s ... 10 s |
| Setting accuracy | ≤ 2.5 % (of scale end value) |
| Repeat accuracy | ≤ 0.5 % (From the measuring range final value) |

Control

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

Output data

Switching

| | |
|------------------------|-------------------------------|
| Contact switching type | 1 floating changeover contact |
| Output fuse | 6.3 A (fast-blow) |

Connection data

| | |
|----------------------------------|--|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 30 ... 12 |
| Tightening torque | 0.6 Nm ... 0.8 Nm 5 lb _F -in. ... 7 lb _F -in. |

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Signaling

| | |
|----------------|---------------------------|
| Status display | Green LED (POWER) |
| | Yellow LED (relay active) |

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 86 mm |

Material specifications

| | |
|--|----------------------------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0 |
| Housing insulation material | Polyamide PA, self-extinguishing |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -25 °C ... 80 °C |
| Permissible humidity (operation) | 15 % ... 85 % |

Approvals

CE

| | |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

UKCA

| | |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

ATEX

| | |
|----------------|-------------------------------|
| Identification | ⊕ II 3 G Ex nA nC IIC T4 Gc X |
|----------------|-------------------------------|

UL, USA/Canada

| | |
|----------------|-----------------------|
| Identification | UL/C-UL Listed UL 508 |
|----------------|-----------------------|

GL

| | |
|----------------|------------|
| Identification | GL EMC 1 C |
|----------------|------------|

EMC data

| | |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC directive |
| Low Voltage Directive | Conformance with Low Voltage Directive |
| Noise immunity | EN 61000-6-2 |
| Note | When being exposed to interference, there may be minimal deviations. |

Noise emission

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| | |
|-----------------------|--------------|
| Standards/regulations | EN 61000-6-4 |
|-----------------------|--------------|

Standards and regulations

| | |
|-----------------------|----------|
| Standards/regulations | EN 50178 |
|-----------------------|----------|

Mounting

| | |
|-------------------|--|
| Mounting type | DIN rail mounting |
| Assembly note | on standard DIN rail NS 35 in accordance with EN 60715 |
| Mounting position | any |

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Drawings

Block diagram



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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39122329 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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