

## Timer relay - ETD-BL-1T-230 - 2905813

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Compact multi-functional timer relay with 4 functions and an adjustable time range (50 ms - 1 h), with screw connection, 1 PDT

The figure shows a version with push-in connection

### Product Description

Increasingly higher demands are being placed on safety and system availability – across all sectors. Processes are becoming more and more complex, not only in mechanical engineering and the chemical industry, but also in plant and automation technology. Demands on power engineering are also increasing constantly.

The timer relays in the ETD series can be used to control time sequences in production and process technology.



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	80.0 g
Custom tariff number	85364900
Country of origin	Austria

### Technical data

#### Dimensions

Width	17.5 mm
Height	88 mm
Depth	65.5 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	15 % ... 85 %
Noise immunity	EN 61000-6-2

#### Coil side

Input voltage range	24 V AC/DC ... 240 V AC/DC -15 % ... +10 %
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## Technical data

### Coil side

Temperature sensitivity	≤ 0.01 %/K
Function	E: With switch-on delay
	R: With release delay and control contact
	Es: With switch-on delay and control contact
	Ws: With single shot leading edge and control contact
Time setting range	50 ms ... 1 h (5 time end ranges)
Recovery time	100 ms

### Contact side

Contact type	1 floating PDT
Maximum switching voltage	250 V AC (in acc. with IEC 60664-1)
Interrupting rating (ohmic load) max.	1250 VA (5 A/250 V AC)
Output fuse	5 A (fast-blow)

### General

Status display	Green LED (POWER)
	Yellow LED (relay active)
Mechanical service life	15 x 10 <sup>6</sup> cycles
Test voltage relay winding/relay contact	4 kV
Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Color	gray
Permissible humidity (operation)	15 % ... 85 %
Nominal frequency	48 Hz ... 63 Hz
Conformance	CE-compliant
UL, USA / Canada	UL 508 Listed

### Connection data

Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Stripping length	8 mm
Connection method	Screw connection

### Control contact

Connection name	Non-floating, terminals A1-B1
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## Technical data

### Control contact

Control pulse length	≥ 50 ms (DC)
	≥ 100 ms (AC)

## Classifications

### eCl@ss

eCl@ss 5.1	27371701
eCl@ss 6.0	27371790

### ETIM

ETIM 5.0	EC001439
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## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals


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#### Approvals submitted

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### Approval details

UL Listed 
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cUL Listed 
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cULus Listed 
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## Drawings

Block diagram

