

# Timer relay - ETD-BL-2T-I-230-PT - 2907714

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Compact impulse encoder with adjustable pulse and pause times (50 ms - 100 h), wide range power supply unit, with push-in connection, 1 PDT

## 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.

## Why buy this product

- Time ranges from a few milliseconds to several days
- 2 floating PDT outputs



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 220765
GTIN	4055626220765
Weight per Piece (excluding packing)	71.200 g
Weight per piece (including packing)	71.200 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
	-25 °C ... 40 °C (corresponds to UL 508)

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## Technical data

### Ambient conditions

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 -10 % ... +15 %
Temperature sensitivity	≤ 0.01 %/K
Function	Ip: Switched-mode beginning with the pause Ii: Switched-mode beginning with the pulse
Time setting range	50 ms ... 100 h (7 time end ranges)
Recovery time	500 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.	750 VA (3 A/250 V AC, module aligned, ≤ 5 mm spacing) 1250 VA (5 A/250 V AC, module not aligned, ≥ 5 mm spacing)
Output fuse	5 A (fast-blow)

### General

Status display	Green LED (POWER) Yellow LED (relay active)
Mechanical service life	Approx. $2 \times 10^7$ cycles
Nominal power consumption	2.5 VA (1 W)
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
Rated insulation voltage	300 V (According to EN 50178)
Conformance	CE-compliant

### 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.	26
Conductor cross section AWG max.	14
Stripping length	8 mm
Connection method	Push-in connection

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### Control contact

Connection name	Non-floating, terminals A1-B1
Control pulse length	≥ 50 ms (DC)
	≥ 100 ms (AC)

### Standards and Regulations

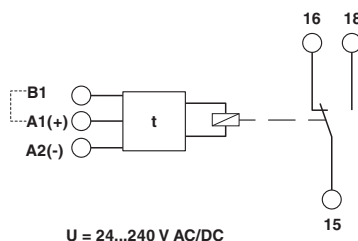
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Low Voltage Directive	Conformance with Low Voltage Directive 2006/95/EC (valid until 2016-04-19) / 2014/35/EU (valid from 2016-04-20)
Flammability rating according to UL 94	V0
Conformance	CE-compliant

### Environmental Product Compliance

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	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

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#### ETIM

ETIM 5.0	EC001439
ETIM 6.0	EC001439

#### UNSPSC

UNSPSC 13.2	39122334
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