

Timer relay - ETD-BL-2T-I-230 - 2907713

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Compact impulse encoder with adjustable pulse and pause times (50 ms - 100 h), wide range power supply unit, with screw 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.

Your advantages

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 220758
GTIN	4055626220758

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

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Technical data

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. 2×10^7 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 (acc. to EN 50178)
Conformance	CE-compliant

Connection data

Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section AWG	20 ... 14
Torque	1 Nm ... 1 Nm

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
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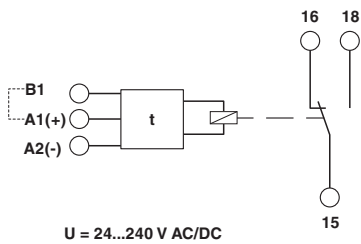
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EC
Flammability rating according to UL 94	V0
Conformance	CE-compliant

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Block diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.**08.B-00957
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