

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

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
GTIN	 4 055626 003351
GTIN	4055626003351

Technical data

Dimensions

Width	17.5 mm
Height	89.5 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 %
Degree of protection	IP40 (Housing)
	IP20 (Connection terminal blocks)
Noise immunity	EN 61000-6-2

Coil side

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

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

Technical data

Coil side

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

Contact side

Contact type	1 floating changeover contact
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	15x 10 ⁶ cycles
Nominal power consumption	4 VA
Test voltage relay winding/relay contact	4 kV
Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Permissible humidity (operation)	15 % ... 85 %
Nominal frequency	48 Hz ... 63 Hz

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
Tightening 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

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-3
Noise immunity	EN 61000-6-2

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

Technical data

Standards and Regulations

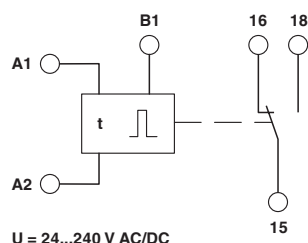
Standards/regulations	EN 50178
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

Environmental Product Compliance

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

Drawings

Block diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27371605
eCl@ss 11.0	27371605
eCl@ss 5.0	27371700
eCl@ss 5.1	27371700
eCl@ss 6.0	27371700
eCl@ss 7.0	27371790
eCl@ss 9.0	27371605

ETIM

ETIM 2.0	EC001439
ETIM 3.0	EC001439
ETIM 4.0	EC001439
ETIM 6.0	EC001439
ETIM 7.0	EC001439

UNSPSC

UNSPSC 13.2	39122329
UNSPSC 18.0	39122329
UNSPSC 19.0	39122329

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

Classifications

UNSPSC

UNSPSC 20.0	39122329
UNSPSC 21.0	39122300

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
-----------	---	---	---------------

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
------------	---	---	---------------

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

cULus Listed	
--------------	---

Phoenix Contact 2022 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)