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 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.

Commercial data

Item number	2905813
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C442
Product key	CK4541
Catalog page	Page 256 (C-5-2019)
GTIN	4055626003351
Weight per piece (including packing)	80.2 g
Weight per piece (excluding packing)	80 g
Customs tariff number	85364900
Country of origin	AT

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Technical data

Product properties

Product type	Timer relay	
Operating mode	100% operating factor	
Mechanical service life	15x 10 ⁶ cycles	
Insulation characteristics		
Insulation	Basic insulation	
Insulation characteristics		
Insulation	Basic insulation	
Overvoltage category	III	
Pollution degree	2	
Electrical properties		
Service life electrical	1x 10 ⁵ cycles	
Nominal frequency	48 Hz 63 Hz	
Nominal power consumption	4 VA	
Test voltage relay winding/relay contact	4 kV	

Input data

Nominal power consumption	4 VA
Input voltage range	24 V AC/DC 240 V AC/DC -15 % +10 %
Temperature coefficient, typical	≤ 0.01 %/K
Recovery time	100 ms
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)
Basic accuracy	± 1 % (of scale end value)
Setting accuracy	≤ 5 % (of scale end value)
Repeat accuracy	≤ 0.5 % ±5 ms
Control	
Connection name	Non-floating, terminals A1-B1
Control pulse length	≥ 50 ms (DC)

Output data

Switching		
Contact switching type	1 floating changeover contact	
Maximum switching voltage	250 V AC (in acc. with IEC 60664-1)	

≥ 100 ms (AC)

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Interrupting rating (ohmic load) max.	1250 VA (5 A / 250 V AC)
Output fuse	5 A (fast-blow)
onnection data	
Connection method	Screw connection
Stripping length	8 mm
Conductor cross section rigid	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
Conductor cross section AWG Tightening torque	20 14 1 Nm 1 Nm
Tightening torque	
Tightening torque	
Tightening torque	
Tightening torque	1 Nm 1 Nm
Tightening torque ignaling Status display	1 Nm 1 Nm Green LED (POWER)
Tightening torque gnaling Status display	1 Nm 1 Nm Green LED (POWER)
Tightening torque ignaling Status display	1 Nm 1 Nm Green LED (POWER)
Tightening torque ignaling Status display imensions	1 Nm 1 Nm Green LED (POWER) Yellow LED (relay active)

Color	gray (RAL 7042)
Flammability rating according to UL 94	VO

Environmental and real-life conditions

Ambient conditions	
Degree of protection (Housing)	IP40 (Housing)
Degree of protection (Connection terminal blocks)	IP20 (Connection terminal blocks)
Ambient temperature (operation)	-25 °C 55 °C
Ambient temperature (storage/transport)	-25 °C 70 °C
Permissible humidity (operation)	15 % 85 %

Approvals

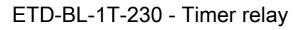
CE		
Certificate	CE-compliant	
UKCA		
Certificate	UKCA-compliant	
UL, USA/Canada		
Identification	UL 508 Listed	
EMC data		
Low Voltage Directive	Conformance with Low Voltage Directive	
Noise immunity	EN 61000-6-2	

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Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-3
Standards and regulations	
Standards/regulations	EN 50178
Nounting	
Mounting type	DIN rail mounting
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any



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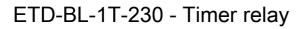
Classifications

ECLASS

ECLASS-11.0	27371605
ECLASS-12.0	27371605
ECLASS-13.0	27371605

ETIM

	ETIM 9.0	EC001439
UN	NSPSC	
	UNSPSC 21.0	39122300



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Environmental product compliance

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

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