PLC-TR-1T-MUL-300M-PT - Timer relay

2910141

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Multi-function timer relay with 4 functions in an ultra-narrow design, adjustable time range (0.1 s - 300 min), 1 changeover contact, Push-in connection

Commercial data

Item number	2910141
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C442
Product key	DK62AH
GTIN	4055626430607
Weight per piece (including packing)	39 g
Weight per piece (excluding packing)	30 g
Customs tariff number	85364900
Country of origin	DE

Technical data

Product properties

Product type	Timer relay
Operating mode	100% operating factor
Mechanical service life	2x 10^7 cycles

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Service life electrical	2x 10^5 cycles
Nominal power consumption	0.45 W (at 24 V DC)
Rated insulation voltage	300 V AC
Rated surge voltage	6 kV

Input data

Nominal power consumption	0.45 W (at 24 V DC)
Input voltage range	24 V DC (19.2 V DC ... 30 V DC)
Recovery time	50 ms
Response delay function	yes
Release delay function	yes
Passing make contact function	no
Passing break contact function	no
Star/delta function	no
Pulse-forming function	no
Flashing function beginning with pause, fixed time	no
Clocking function beginning with pause, variable	yes
Flashing function beginning with pulse, fixed time	yes
Clocking function beginning with pulse, variable	no
Setting range time	0.1 s ... 300 min (4 time end ranges)
Setting accuracy	≤ 2.5 % (of scale end value)
Repeat accuracy	≤ 0.5 % (of scale end value)

Control

Connection name	Non-floating, terminals A1-B1
Control pulse length	≥ 50 ms

Output data

Switching

Contact switching type	1 floating changeover contact
Maximum switching voltage	250 V AC
Interrupting rating (ohmic load) max.	1500 VA (6 A/250 V AC)

Output fuse	6.3 A (fast-blow)

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section rigid	0.14 mm² ... 2.5 mm²
Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
Conductor cross-section AWG	26 ... 14

Signaling

Status display	Green LED (POWER)
	Yellow LED (relay active)

Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Housing insulation material	Polyamide PA, self-extinguishing

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	15 % ... 85 %

Approvals

CE

Identification	CE-compliant

UL, USA/Canada

Identification	UL/C-UL Listed UL 508

EMC data

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

Noise emission

Standards/regulations	EN 61000-6-3

Standards and regulations

Standards/regulations	IEC 61812-1
	IEC 60947-5-1

Mounting

Mounting type	DIN rail mounting
Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2910141

DNV GL
Approval ID: TAA00002RX

UL Listed
Approval ID: FILE E 172140

cUL Listed
Approval ID: FILE E 172140

DNV
Approval ID: TAE0000196

Classifications

ECLASS

ECLASS-13.0	27371605
ECLASS-15.0	27371605

ETIM

ETIM 10.0	EC001439

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	be72ca50-670a-4ce7-93ea-c13857bb3efe

EF3.1 Climate Change

CO2e kg	2.34 kg CO2e

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