

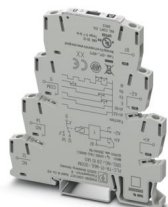
# PLC-TR-1T-MUL-300M - Timer relay



2910140

<https://www.phoenixcontact.com/us/products/2910140>

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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, screw connection

## Commercial data

Item number	2910140
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C442
Product key	DK622H
GTIN	4055626430492
Weight per piece (including packing)	44.01 g
Weight per piece (excluding packing)	50.9 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	approx. $2 \times 10^7$ cycles

### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Service life electrical	approx. $2 \times 10^5$ cycles at ohmic load, 1000 VA
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
Setting range time	0.1 s ... 300 min (4 time end ranges)
Setting accuracy	$\leq 2.5$ % (of scale end value)
Repeat accuracy	$\leq 0.5$ % (of scale end value)

### Control

Connection name	Non-floating, terminals A1-B1
Control pulse length	$\geq 50$ 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	Screw connection
Stripping length	8 mm
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	30 ... 12
Tightening torque	0.6 Nm ... 0.8 Nm ( )

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5 lb<sub>F</sub>-in. ... 7 lb<sub>F</sub>-in.

## 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
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### UL, USA/Canada

Identification	UL/C-UL Listed UL 508
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## 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
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## Standards and regulations

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

## Mounting

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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2910140>



**DNV GL**

Approval ID: TAA00002RX



**UL Listed**

Approval ID: FILE E 172140



**cUL Listed**

Approval ID: FILE E 172140

**DNV**

Approval ID: TAE0000196

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## Classifications

### ECLASS

ECLASS-13.0	27371605
ECLASS-15.0	27371605

### ETIM

ETIM 10.0	EC001439
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### UNSPSC

UNSPSC 21.0	39122300
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## 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	6fca80c6-042b-4cac-8981-44af288b4c85

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