

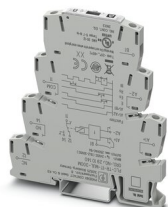
# Timer relay - PLC-TR-1T-MUL-300M



2910140

<https://www.phoenixcontact.com/pc/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
Product Key	CK4521
Catalog Page	Page 262 (C-5-2019)
GTIN	4055626430492
Weight per Piece (including packing)	59.6 g
Weight per Piece (excluding packing)	50.9 g
Customs tariff number	85364900
Country of origin	DE

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## Technical Data

### Product properties

Product type	Timer relay
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

### Insulation characteristics

Overvoltage category	III
Pollution degree	2
Insulation	Basic insulation

### 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 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 solid	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.

## LED signaling

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

## Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

## Material specifications

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 %

## Approval data

### CE

Identification	CE-compliant
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### UL, USA / Canada

Identification	UL/C-UL Listed UL 508
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## EMC data

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

## Standards and regulations

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

## Mounting

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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## Approvals

DNV GL Approval ID: TAA00002RX				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
			-	-

UL Listed Approval ID: FILE E 172140				
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cUL Listed Approval ID: FILE E 172140				
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cULus Listed				
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## Classifications

### ECLASS

ECLASS-9.0	27371605
ECLASS-10.0.1	27371605
ECLASS-11.0	27371605

### ETIM

ETIM 8.0	EC001439
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### UNSPSC

UNSPSC 21.0	39122300
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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