

# Timer relay - PLC-TR-1T-MUL-300M - 2910140


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Ultra-narrow multi-function time relay with 4 functions, adjustable time range (0.1 s - 300 min), 1 PDT, screw connection



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 430492
GTIN	4055626430492

## Technical data

### Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Maximum altitude	≤ 2000 m
Permissible humidity (operation)	15 % ... 85 %
Degree of protection	IP20
Noise immunity	EN 61000-6-2

### Coil side

Input voltage range	24 V DC (19.2 V DC ... 30 V DC)
Function	E: With switch-on delay
	Es: With switch-on delay and control contact
	Rs: With release delay and control contact
	Bi: Flashing beginning with pulse
Setting range time	0.1 s ... 300 min. (4 time end ranges)

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## Technical data

### Coil side

Recovery time	50 ms
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### Contact side

Contact type	1 floating PDT
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)

### General

Status display	Green LED (POWER) Yellow LED (relay active)
Mechanical service life	approx. $2 \times 10^7$ cycles
Nominal power consumption	0.45 W (at 24 V DC)
Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Color	traffic grey A RAL 7042
Housing insulation material	Polyamide PA, self-extinguishing
Permissible humidity (operation)	15 % ... 85 %

### 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
Torque	0.6 Nm ... 0.8 Nm ( ) 5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in.

### Control contact

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

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-3
Noise immunity	EN 61000-6-2
Standards/regulations	IEC 61812-1 IEC 60947-5-1
Rated insulation voltage	300 V AC
Rated surge voltage	6 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

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### Standards and Regulations

Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EU
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 10.0.1	27371605
eCl@ss 8.0	27371605
eCl@ss 9.0	27371605

### ETIM

ETIM 5.0	EC001439
ETIM 6.0	EC001439
ETIM 7.0	EC001439

## Approvals


### Approvals


#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
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### Approvals

cULus Listed



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