

## Timer module - RIF-T3-24UC - 2902647

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Plug-in module for extending a relay module to create a timer relay, 3 time functions, 4 time ranges, for mounting on RIF-1, RIF-2, RIF-3, and RIF-4, input voltage: 12 ... 24 V DC



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356668880
Weight per Piece (excluding packing)	16.200 g
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	13 mm
Height	12 mm
Depth	35 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C (RIF-1, AC coil, 2 PDTs at 6 A)
	-25 °C ... 50 °C (RIF-1, DC coil, 2 PDTs at 5 A)
	-25 °C ... 40 °C (RIF-2, DC coil, 2 PDTs at 8 A)
	-25 °C ... 40 °C (RIF-2, DC coil, 4 PDTs at 5 A)
	-25 °C ... 40 °C (RIF-3, DC coil, 3 PDTs at 6.75 A)
	-25 °C ... 40 °C (RIF-3, DC coil, 2 PDTs at 8 A)
	-25 °C ... 35 °C (RIF-4, DC coil, 3 PDTs at 8 A)

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## Technical data

### Ambient conditions

	-25 °C ... 25 °C (RIF-4, DC coil, 3 N/O contacts at 8 A)
Ambient temperature (storage/transport)	-25 °C ... 85 °C

### Input data

Nominal input voltage $U_N$	24 V DC (AC operation only permitted for RIF-1)
Input voltage range in reference to $U_N$	0.4 ... 1.2
Mains frequency	50 Hz
	60 Hz
Status display	Yellow LED
Protective circuit/component	Varistor
Surge voltage protection	> 56 V

### Output data

Limiting continuous current	$\leq 250$ mA (Relay coil current)
Voltage drop at max. limiting continuous current	< 100 mV

### General

Setting accuracy	3 % (of scale end value)
Repeat accuracy	1 %
Insulation	Basic insulation
Standards/regulations	DIN EN 50178
Overvoltage category	I
Degree of pollution	2
Mounting position	any
Assembly instructions	Can be inserted into relay base

### Standards and Regulations

Connection in acc. with standard	CSA
Designation	Air clearances and creepage distances in a circuit
Standards/regulations	DIN EN 50178
Rated insulation voltage	50 V DC
Rated surge voltage	0.4 kV
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	I

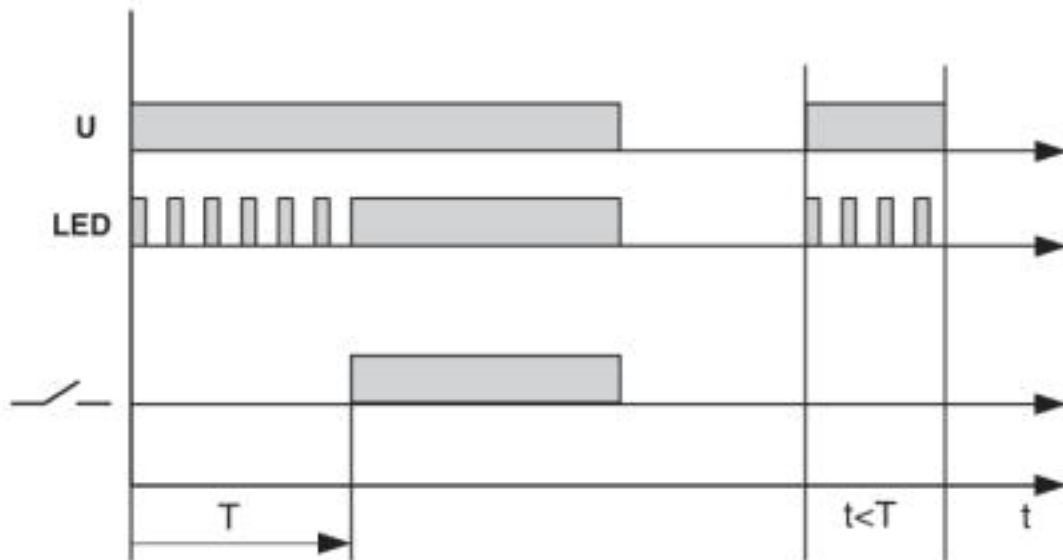
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

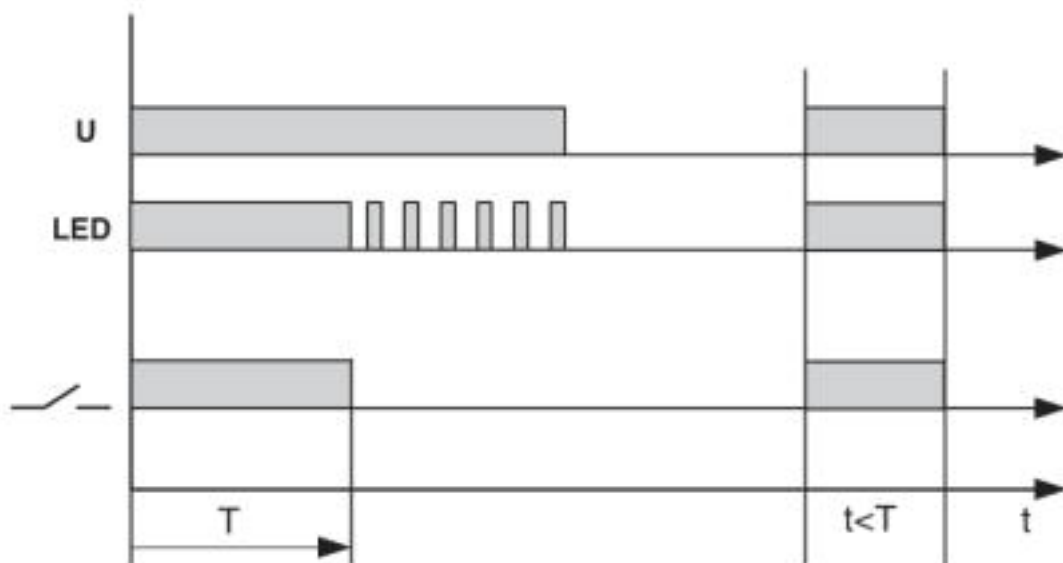
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Diagram



With switch-on delay

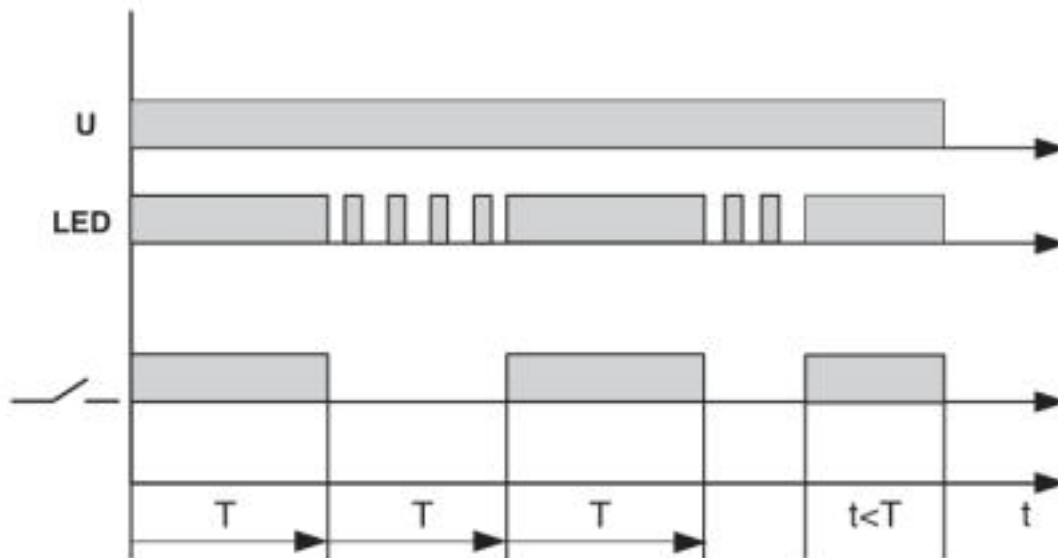
Diagram



With passing make contact

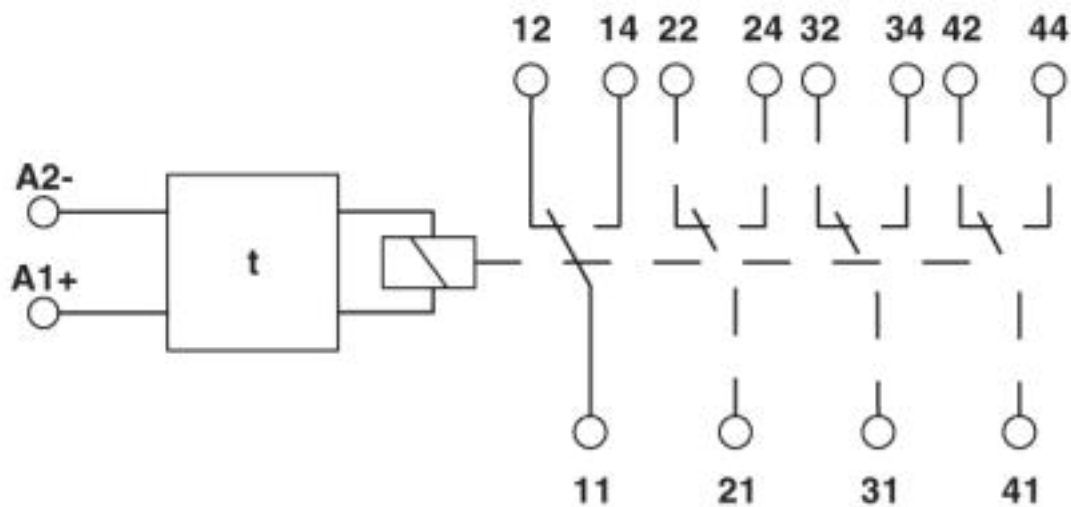
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Diagram



Flasher/pulse generator

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27379200
eCl@ss 7.0	27379208

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## Classifications

### eCl@ss

eCl@ss 8.0	27379208
eCl@ss 9.0	27371692

### ETIM

ETIM 4.0	EC002586
ETIM 5.0	EC002586
ETIM 6.0	EC002586
ETIM 7.0	EC002586

### UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39121516

## Approvals

### Approvals

#### Approvals

DNV GL / CSA / PRS / LR / UL Recognized / EAC

#### Ex Approvals

### Approval details


DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA000018V
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CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	2607057
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PRS		<a href="http://www.prs.pl/">http://www.prs.pl/</a>	TE/2108/880590/16
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### Approvals

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	15/20011
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UL Recognized		<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 113228
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