RIF-T3-24UC - Timer module

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 V DC ... 24 V DC

Commercial data

Item number	2902647
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	C465
Product key	DK6545
GTIN	4046356668880
Weight per piece (including packing)	5.6 g
Weight per piece (excluding packing)	5.1 g
Customs tariff number	85363010
Country of origin	CN

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Plug-in module
Product family	RIFLINE complete

Insulation characteristics: Air clearances and creepage distances in a circuit

Insulation	Basic insulation
Overvoltage category	I
Pollution degree	2

Electrical properties

Setting accuracy	3 % (of scale end value)
Repeat accuracy	1 %

Air clearances and creepage distances in a circuit

Rated insulation voltage	50 V DC
Rated surge voltage	0.4 kV

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	LED (yellow)
Protective circuit	Varistor
Surge voltage protection	> 56 V

Output data

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

Dimensions

Width	13 mm
Height	12 mm
Depth	35 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C (RIF-1, AC coil, 2 changeover contacts at 6 A)
	-25 °C ... 50 °C (RIF-1, DC coil, 2 changeover contacts at 5 A)
	-25 °C ... 40 °C (RIF-2, DC coil, 2 changeover contacts at 8 A)
	-25 °C ... 40 °C (RIF-2, DC coil, 4 changeover contacts at 5 A)
	-25 °C ... 40 °C (RIF-3, DC coil, 3 changeover contacts at 6.75 A)
	-25 °C ... 40 °C (RIF-3, DC coil, 2 changeover contacts at 8 A)
	-25 °C ... 35 °C (RIF-4, DC coil, 3 changeover contacts at 8 A)
	-25 °C ... 25 °C (RIF-4, DC coil, 3 N/O contacts at 8 A)
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Approvals

UKCA

Certificate	UKCA-compliant

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

Standards and regulations

Air clearances and creepage distances in a circuit

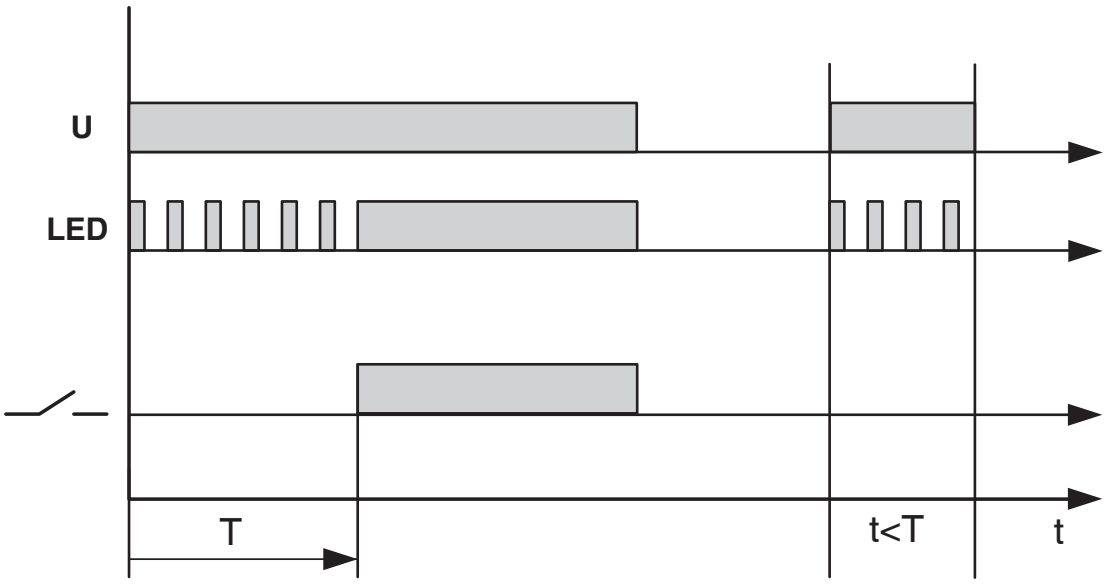
Standards/regulations	IEC 60947-5-1

Mounting

Mounting type	Plug-in mounting
Assembly note	Can be inserted into relay base
Mounting position	any

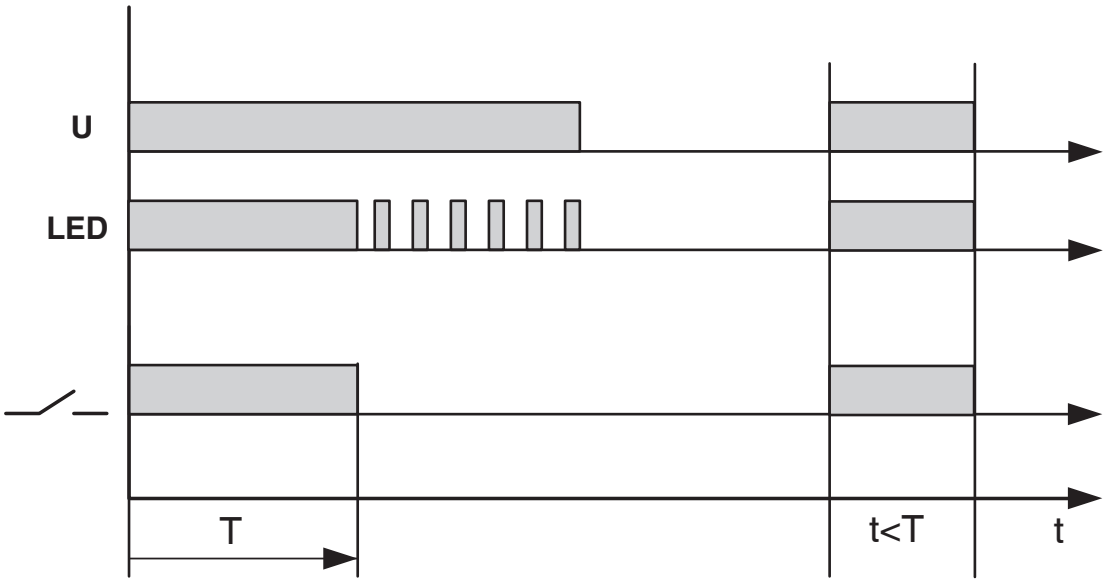
Drawings

Diagram



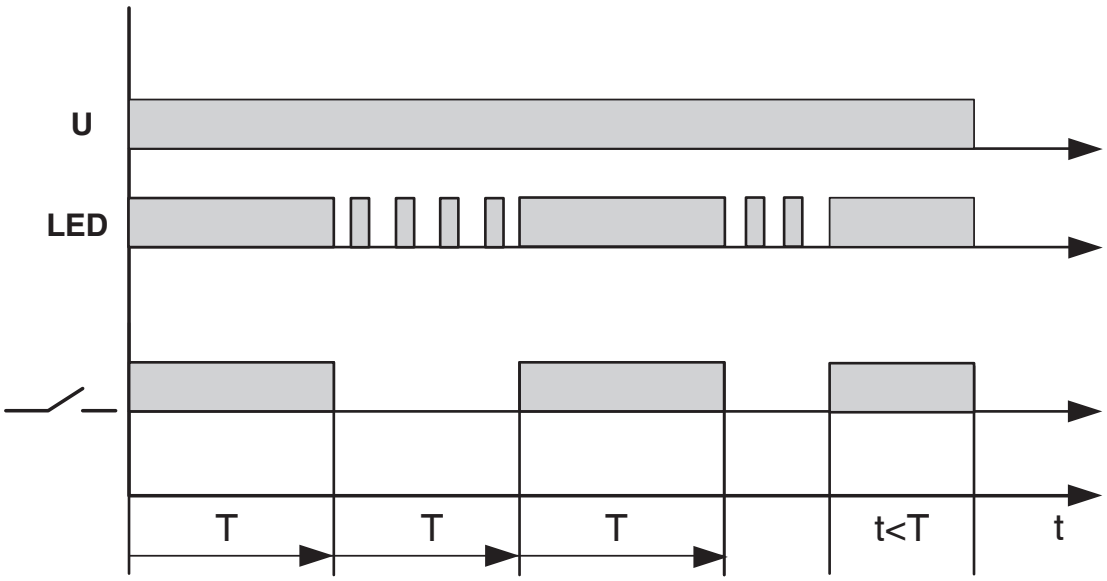
With switch-on delay

Diagram



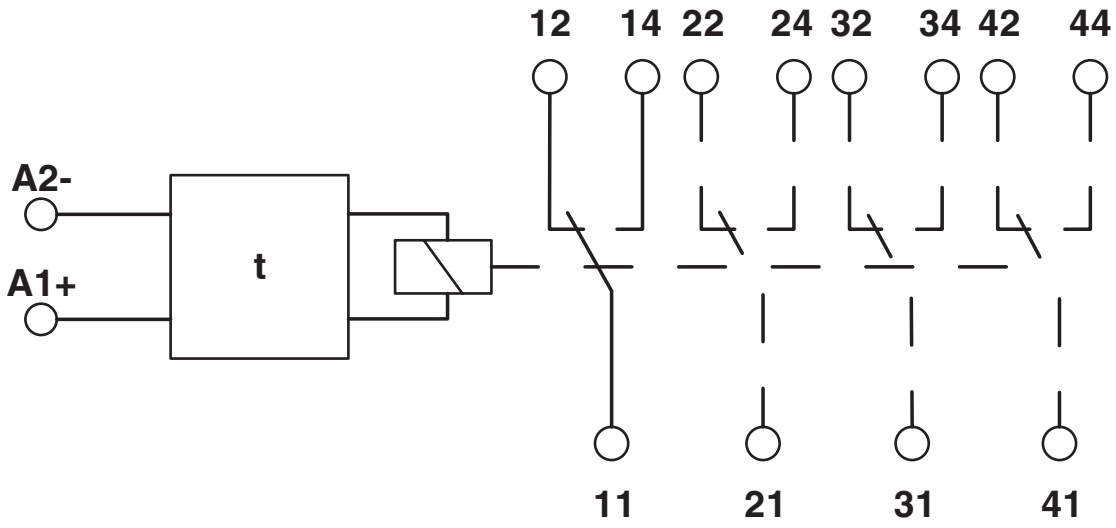
With passing make contact

Diagram



Flasher/pulse generator

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2902647

CSA
Approval ID: 76787

UL Recognized
Approval ID: FILE E 113228

EAC
Approval ID: RU*DE.*08.B.01536/19

DNV
Approval ID: TAA000018V

Classifications

ECLASS

ECLASS-13.0	27371692
ECLASS-15.0	27371692

ETIM

ETIM 10.0	EC002586

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	1.177 kg CO2e

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