

TR-ES-ON-24/240-10H - Timer relay



2907319

<https://www.phoenixcontact.com/in/products/2907319>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Timer relay with delay release breakover function and an adjustable time range (50 ms - 10 h), supply voltage: 24-48 V DC/24-240 V AC, 1 changeover contact

Commercial data

Item number	2907319
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CK4
Product key	DKF111
GTIN	4055626273297
Weight per piece (including packing)	49.2 g
Weight per piece (excluding packing)	48 g
Customs tariff number	85364900
Country of origin	AT

Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
---------	--

Product properties

Product type	Timer relay
Mechanical service life	approx. 1×10^6 switching cycles

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Service life electrical	approx. 1×10^5 cycles
Nominal frequency	48 Hz ... 63 Hz
Nominal power consumption	8 VA (1 W, 230 V AC) 0.4 W (at 24 V DC)
Test voltage relay winding/relay contact	1.6 kV
Rated insulation voltage	300 V
Rated surge voltage	2500 V

Input data

Nominal power consumption	8 VA (1 W, 230 V AC) 0.4 W (at 24 V DC)
Input voltage range	24 V DC ... 48 V DC -10 % ... +10 % 24 V AC ... 240 V AC -15 % ... +10 %
Temperature coefficient, typical	< 0.05 %/°C
Recovery time	> 100 ms
Setting range time	50 ms ... 10 h (6 time end ranges)
Basic accuracy	< 1.5 % (of scale end value)
Setting accuracy	< 5 % (of scale end value)
Repeat accuracy	< 0.5 % ± 5 ms

Output data

Switching

Contact switching type	1 floating changeover contact
Maximum switching voltage	250 V AC
Interrupting rating (ohmic load) max.	1250 VA (5 A / 250 V AC)
Output fuse	5 A (fast-blow)

TR-ES-ON-24/240-10H - Timer relay



2907319

<https://www.phoenixcontact.com/in/products/2907319>

Connection data

Connection method	Screw connection
Stripping length	7 mm
Conductor cross-section rigid	0.25 mm² ... 2.5 mm²
Conductor cross-section flexible	0.25 mm² ... 2.5 mm²
Conductor cross-section AWG	23 ... 14

Signaling

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

Dimensions

Width	17.5 mm
Height	98 mm
Depth	57.9 mm

Material specifications

Color	traffic grey B (RAL 7043)
-------	---------------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection (Housing)	IP40 (Housing)
Degree of protection (Connection terminal blocks)	IP20 (Connection terminal blocks)
Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	25 % ... 75 %

Approvals

CCC

Identification	GB 14048.5-2008
----------------	-----------------

EMC data

Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	IEC 61812-1

Noise emission

Standards/regulations	IEC 61812-1
-----------------------	-------------

Standards and regulations

Standards/regulations	IEC 61812-1
-----------------------	-------------

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

TR-ES-ON-24/240-10H - Timer relay



2907319

<https://www.phoenixcontact.com/in/products/2907319>

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

TR-ES-ON-24/240-10H - Timer relay

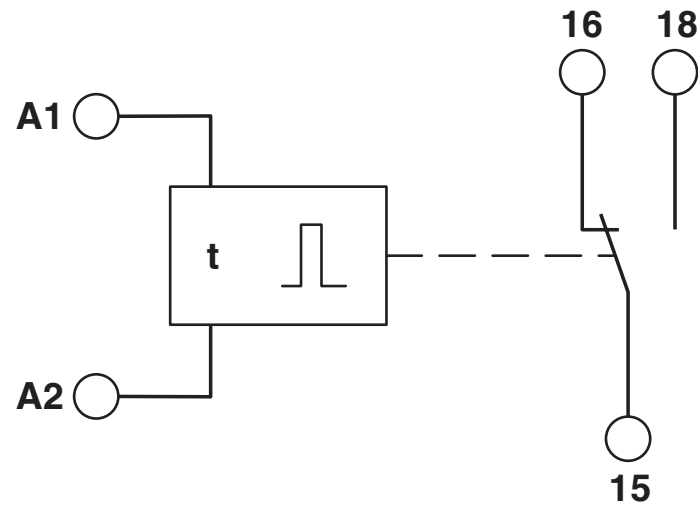
2907319

<https://www.phoenixcontact.com/in/products/2907319>



Drawings

Block diagram



U = 24 ... 48 V DC / 24 ... 240 V AC

TR-ES-ON-24/240-10H - Timer relay



2907319

<https://www.phoenixcontact.com/in/products/2907319>

Classifications

ECLASS

ECLASS-13.0	27371605
ECLASS-15.0	27371605

ETIM

ETIM 9.0	EC001439
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

TR-ES-ON-24/240-10H - Timer relay



2907319

<https://www.phoenixcontact.com/in/products/2907319>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
---	---

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in