

RIF-0-OPT-24DC/24DC/2 - Solid-state relay module



2905293

<https://www.phoenixcontact.com/in/products/2905293>

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.



Pre-assembled solid-state relay module with push-in connection, consisting of: relay base with ejector and plug-in miniature solid-state relay. Input voltage: 24 V DC. Output: 3 - 33 V DC/3 A

Product Description

The pluggable electromechanical and solid-state relays in the RIFLINE complete product range and the base are recognized and approved in accordance with UL 508. The relevant approvals can be called up at the individual components in question.

Commercial Data

Item number	2905293
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK652K
Catalog Page	Page 322 (C-5-2019)
GTIN	4046356945417
Weight per Piece (including packing)	24.26 g
Weight per Piece (excluding packing)	23 g
Customs tariff number	85364110
Country of origin	HU

RIF-0-OPT-24DC/24DC/2 - Solid-state relay module



2905293

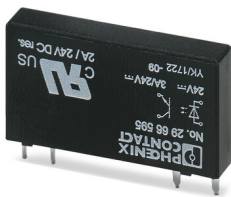
<https://www.phoenixcontact.com/in/products/2905293>

Set consists of

OPT-24DC/ 24DC/ 2 - Miniature solid-state relay

2966595

<https://www.phoenixcontact.com/in/products/2966595>

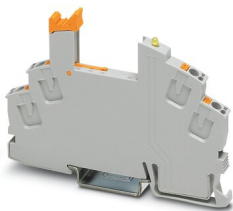


Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/3 A

RIF-0-BPT/1 - Relay base

2901873

<https://www.phoenixcontact.com/in/products/2901873>



RIF-0... relay base, for miniature power relay with 1 N/O contact or solid-state relays of the same design, push-in connection, for mounting on NS 35/7,5

RIF-0-OPT-24DC/24DC/2 - Solid-state relay module



2905293

<https://www.phoenixcontact.com/in/products/2905293>

Technical Data

Product properties

Product type	Solid-state relay module
Product family	RIFLINE complete
Application	Universal
Operating mode	100% operating factor

Insulation characteristics

Insulation	Basic insulation
------------	------------------

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.2 W
Test voltage (Input/output)	2.5 kV _{rms} (50 Hz, 1 min., input/output)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

Input data

Rated actuating voltage U_C	24 V DC
Voltage range with reference to U_C	0.8 ... 1.2
Rated actuating current I_C	8.5 mA
Input voltage range	19.2 V DC ... 28.8 V DC
"0" signal switching threshold in reference to U_C	< 0.4
"1" signal switching threshold in reference to U_C	> 0.8
Typical response time	20 μ s
Typical turn-off time	300 μ s
Status display	Yellow LED
Protective circuit	Freewheeling diode
Transmission frequency	300 Hz

Output data

Contact type	1 N/O contact
Design of digital output	electronic
Output voltage range	3 V DC ... 33 V DC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Surge voltage protection	> 33 V
Voltage drop at max. limiting continuous current	< 200 mV

RIF-0-OPT-24DC/24DC/2 - Solid-state relay module



2905293

<https://www.phoenixcontact.com/in/products/2905293>

Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection
	Surge protection
Utilization category CB Scheme (IEC 60947-5-1)	DC12, 3 A/24 V
	AC12, 0.75 A/250 V

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
	0.14 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 16

Dimensions

Width	6.2 mm
Height	93 mm
Depth	66 mm

Material specifications

Flammability rating according to UL 94	V2 (Housing)
--	--------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

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

Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 60947-5-1
-----------------------	------------------

Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

RIF-0-OPT-24DC/24DC/2 - Solid-state relay module



2905293

<https://www.phoenixcontact.com/in/products/2905293>

Phoenix Contact 2023 © - 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