

Solid-state relay module - RIF-0-OPT-24DC/24DC/2 - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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



Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 945417
GTIN	4046356945417

Technical data

Note

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

Dimensions

Width	6.2 mm
Height	93 mm
Depth	66 mm

Ambient conditions

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

Input data

Input voltage range	19.2 V DC ... 28.8 V DC
Rated actuating voltage U_c	24 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

Solid-state relay module - RIF-0-OPT-24DC/24DC/2 - 2905293

Technical data

Input data

Typical turn-off time	300 µs
Status display	Yellow LED
Type of protection	Free-wheeling diode
Transmission frequency	300 Hz
Power dissipation for nominal condition	0.2 W

Output data

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
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
	Surge protection

Connection data input side

Connection name	Input side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	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

Connection data output side

Connection name	Output side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	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

General

Operating mode	100% operating factor
Degree of protection	IP20
Mounting position	any
Assembly instructions	In rows with zero spacing

Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178

Solid-state relay module - RIF-0-OPT-24DC/24DC/2 - 2905293

Technical data

Standards and Regulations

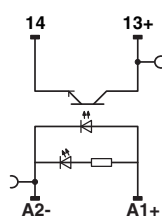
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III
Flammability rating according to UL 94	V2

Environmental Product Compliance

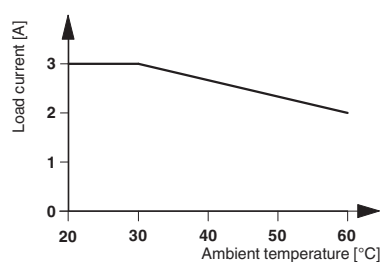
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Diagram



Articles in set

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

Relay base - RIF-0-BPT/1 - 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

Approvals

Approvals

Solid-state relay module - RIF-0-OPT-24DC/24DC/2 - 2905293

Approvals


Approvals

DNV GL / EAC

Ex Approvals

Approval details

DNV GL	http://exchange.dnv.com/tari/	TAA000018V
--------	---	------------

EAC		RU C- DE.A*30.B.01082
-----	---	--------------------------

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>