

# 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	1 pc
Weight per Piece (excluding packing)	24.0 GRM
Custom tariff number	85364110
Country of origin	Germany

## 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

"0" signal switching threshold in reference to $U_c$	< 0.4
"1" signal switching threshold in reference to $U_c$	> 0.8

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

## Technical data

### Input data

Typical response time	20 µs
Typical turn-off time	300 µs
Status display	Yellow LED
Type of protection	Free-wheeling diode
Transmission frequency	300 Hz

### 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	Protection against polarity reversal
	Surge protection

### Connection data

Connection method	Push-in connection
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16

### General

Test voltage input/output	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Designation	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	260 V AC
Pollution degree	2
Surge voltage category	III

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

## 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 socket - 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

## Classifications

eCl@ss

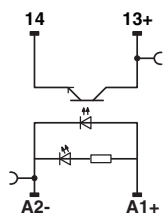
eCl@ss 4.1	27371102
eCl@ss 5.1	27371603
eCl@ss 6.0	27371603
eCl@ss 8.0	27371601

ETIM

ETIM 4.0	EC002055
ETIM 5.0	EC001437

## Drawings

Circuit diagram



Diagram

