

RIF-2-RPT-LDP-24DC/4X21 - Relay Module



2903308

<https://www.phoenixcontact.com/in/products/2903308>

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 relay modules with Push-in connection, consisting of: relay base, power contact relay, and retaining bracket. Contact type: 4 changeover contacts. Input voltage: 24 V DC

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	2903308
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK652A
Catalog Page	Page 341 (C-5-2019)
GTIN	4046356732161
Weight per Piece (including packing)	106.63 g
Weight per Piece (excluding packing)	99.7 g
Customs tariff number	85364110
Country of origin	CN

RIF-2-RPT-LDP-24DC/4X21 - Relay Module



2903308

<https://www.phoenixcontact.com/in/products/2903308>

Set consists of

RIF-2-BPT/4X21 - Relay base

2900934

<https://www.phoenixcontact.com/in/products/2900934>



Relay base RIF-2..., for industrial relay with 2 or 4 changeover contacts, Push-in connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

REL-IR4/LDP- 24DC/4X21 - Single relay

2903677

<https://www.phoenixcontact.com/in/products/2903677>



Plug-in industrial relay with power contacts, 4 changeover contacts, test button, status LED, freewheeling diode, mechanical switching position indicator, polarity: A1+, A2-, input voltage: 24 V DC

RIF-2-RPT-LDP-24DC/4X21 - Relay Module



2903308

<https://www.phoenixcontact.com/in/products/2903308>

RIF-RH-2 - Retaining bracket

2900954

<https://www.phoenixcontact.com/in/products/2900954>



Relay retaining bracket, with ejector function and holder for marking material, suitable for RIF-2 relay base, for industrial relay

2903308

<https://www.phoenixcontact.com/in/products/2903308>

Technical Data

Product properties

Product type	Relay Module
Product family	RIFLINE complete
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles

Insulation characteristics

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

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	1.01 W
Test voltage (Winding/contact)	2.5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	2 kV _{rms} (50 Hz, 1 min., contact/contact)
Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	19.2 V DC ... 30 V DC (20 °C)
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	42 mA
Typical response time	13 ms
Typical release time	14 ms
Coil voltage	24 V DC
Protective circuit	Freewheeling diode
Operating voltage display	Yellow LED

Output data

Switching

Contact type	4 changeover contacts
Type of switch contact	Single contact
Drive and function	monostable
Drive (polarity)	polarized
Contact material	AgNi

RIF-2-RPT-LDP-24DC/4X21 - Relay Module



2903308

<https://www.phoenixcontact.com/in/products/2903308>

Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Limiting continuous current	6 A (see diagram)
Maximum inrush current	16 A (20 ms, N/O contacts)
Min. switching current	5 mA (24 V)
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	48 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	1.5 A (at 24 V, AC15)
	1.5 A (at 120 V, AC15)
	1 A (at 240 V, AC15)

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)
	0.14 mm ² ... 1 mm ² (Ferrule with plastic sleeve, two conductors on double terminal block)
Conductor cross section AWG	26 ... 16 (solid)
	26 ... 16 (flexible)

Dimensions

Width	31 mm
Height	96 mm
Depth	75 mm

Drill hole

Diameter	3.2 mm
----------	--------

Material specifications

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

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay base)	IP20 (Relay base)
Degree of protection (Relay)	RT I (Relay)
Ambient temperature (operation)	-40 °C ... 60 °C

RIF-2-RPT-LDP-24DC/4X21 - Relay Module



2903308

<https://www.phoenixcontact.com/in/products/2903308>

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

Standards/regulations	IEC 60947-5-1
-----------------------	---------------

Mounting

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

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