



THE DATASHEET OF
2903370



Relay Module - RIF-0-RPT-24DC/21 - 2903370

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://download.phoenixcontact.com>)



Pre-assembled relay module with push-in connection, consisting of: relay base with ejector and power contact relay. Contact type: 1 PDT. Input voltage: 24 V DC



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	28.0 GRM
Custom tariff number	85364110
Country of origin	China

Technical data

Dimensions

Width	6.2 mm
Height	93 mm
Depth	78 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	(see diagram)
Nominal input current at U_{IN}	9 mA
Typical response time	5 ms
Typical release time	8 ms
Operating voltage display	Yellow LED
Protective circuit	Damping diode

Relay Module - RIF-0-RPT-24DC/21 - 2903370

Technical data

Contact side

Contact type	1 PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	1 A (24 V (DC13))
	3 A (230 V (AC 15))

Connection data

Connection method	Push-in connection
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm

General

Test voltage relay winding/relay contact	4 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	IP20 (Relay socket)
	RT III (Relay)
Mechanical service life	Approx. 2 x 10 ⁷ cycles
Standards/regulations	DIN EN 50178
	IEC 62103
Rated insulation voltage	250 V AC

Relay Module - RIF-0-RPT-24DC/21 - 2903370

Technical data

General

Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Articles in set

Single relay - REL-MR- 24DC/21 - 2961105



Pluggable miniature relays, with power contact, 1 PDT, input voltage 24 V DC

Relay socket - RIF-0-BPT/21 - 2900958



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

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371603
eCl@ss 5.1	27371603
eCl@ss 6.0	27371603
eCl@ss 7.0	27371603
eCl@ss 8.0	27371603

ETIM

ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 5.0	EC001437

Relay Module - RIF-0-RPT-24DC/21 - 2903370

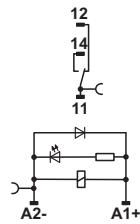
Classifications

UNSPSC

UNSPSC 6.01	30211917
UNSPSC 7.0901	39121516
UNSPSC 11	39121516
UNSPSC 12.01	39121516
UNSPSC 13.2	39121516

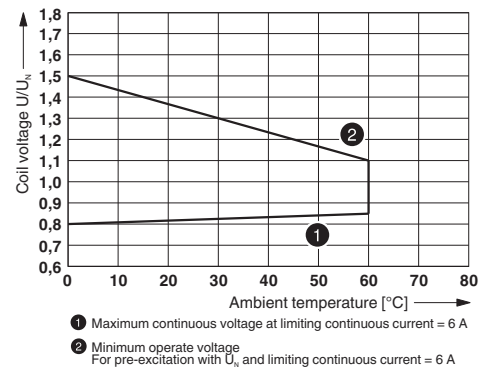
Drawings

Circuit diagram



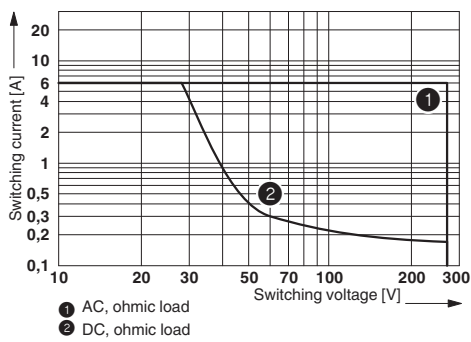
DC coils

Diagram



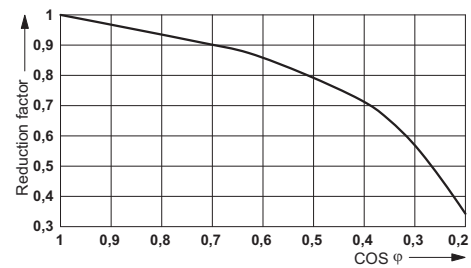
Operating voltage range

Diagram



Interrupting rating

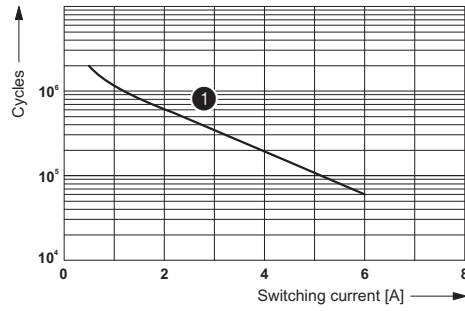
Diagram



Service life reduction factor

Relay Module - RIF-0-RPT-24DC/21 - 2903370

Diagram




1 250 V AC, ohmic load

Electrical service life

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 2903370 on WIN SOURCE](#)

 [Phoenix Contact](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management