



## Main

Range of Product	Harmony Electromechanical Relays
Coil interference suppression	Without
Series name	Miniature
Product or Component Type	Plug-in relay
Device short name	RXM
Contacts type and composition	2 C/O
[Ithe] conventional enclosed thermal current	5 A -40...131 °F (-40...55 °C)

## Complementary

Contact operation	Standard
[Uc] control circuit voltage	24 V DC
Status LED	With
Control Type	Without push-button
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs IEC 61810-7
[Ie] rated operational current	5 A AC-1/DC-1) NO IEC 2.5 A AC-1/DC-1) NC IEC 1 A 28 V DC-13) NO
Minimum switching capacity	25 mW subject to switching frequency, environment or expected reliability level etc
Operating time	20 ms between coil de-energisation and making of the Off-delay contact 20 ms between coil energisation and making of the On-delay contact
CAD overall width	0.83 in (21 mm)
CAD overall height	1.06 in (27 mm)
CAD overall depth	1.81 in (46 mm)
Minimum switching current	5 mA subject to switching frequency, environment or expected reliability level etc
Minimum switching voltage	5 V subject to switching frequency, environment or expected reliability level etc
Rated operational voltage limits	19.2...26.4 V DC
[Ui] rated insulation voltage	250 V IEC
Maximum switching voltage	250 V AC 28 V DC
Drop-out voltage threshold	>= 0.1 Uc DC
Load current	5 A 250 V AC 5 A 28 V DC
Maximum switching capacity	1250 VA AC 140 W DC
Average resistance	640 Ohm at 73 °F (23 °C) +/- 10 %
Average coil consumption	0.9 W, DC
Mechanical durability	10000000 cycles
Electrical durability	100000 Cycles for resistive load 50000 cycles, 1 A at 28 V, DC-13 NO
Safety reliability data	B10d = 100000
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Dielectric strength	2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation 1000 V AC between contacts with micro disconnection
Protection category	RT I
Pollution degree	3
Operating position	Any position
Test levels	Level A group mounting
Sale per indivisible quantity	10
Contacts material	Silver alloy (Ag/Ni)
Net Weight	0.07 lb(US) (0.032 kg)

## Environment

IP degree of protection	IP40 conforming to IEC 60529
Standards	IEC 61810-1 (iss. 2) CE
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	3 gn +/- 1 mm 10...50 Hz)operating IEC 60068-2-6 6 gn +/- 1 mm 10...50 Hz)not operating IEC 60068-2-6
Shock resistance	30 gnot operating IEC 60068-2-27 10 gnin operation IEC 60068-2-27

## Ordering and shipping details

Category	US1CP4B22153
Discount Schedule	CP4B
GTIN	3389119215275
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.79 in (2.000 cm)
Package 1 Width	0.98 in (2.500 cm)
Package 1 Length	1.77 in (4.500 cm)
Package 1 Weight	1.16 oz (33.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.18 in (3.000 cm)
Package 2 Width	4.13 in (10.500 cm)
Package 2 Length	4.92 in (12.500 cm)
Package 2 Weight	12.80 oz (363.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	270
Package 3 Height	5.91 in (15.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	22.19 lb(US) (10.065 kg)

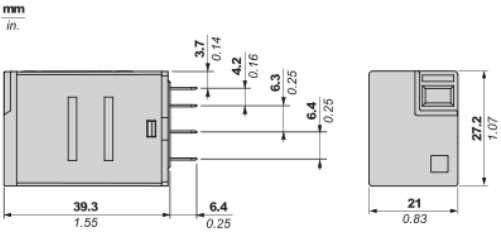
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

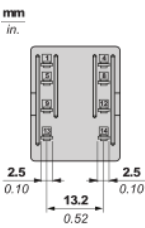
## Contractual warranty

Warranty	18 months
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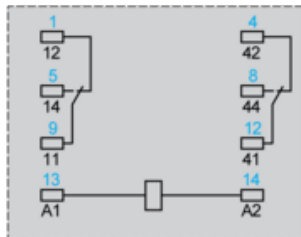
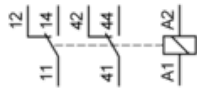
Dimensions



Pin Side View



## Wiring Diagram

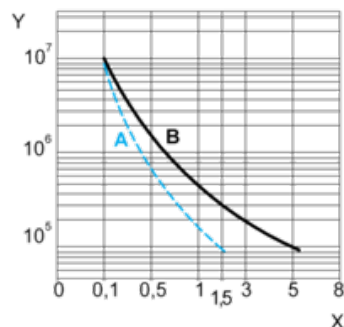


Symbols shown in blue correspond to Nema marking.

## Electrical Durability of Contacts

Durability (inductive load) = durability (resistive load) x reduction coefficient.

For 2 Poles Relay



X : Contact current (A)

Y : Durability (Number of operating cycles)

A : Inductive load

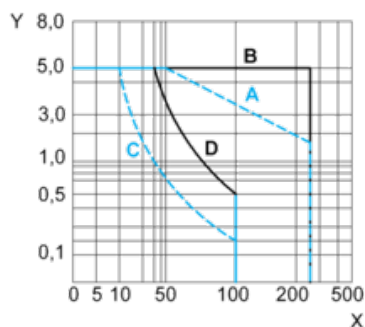
B : Resistive load

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/free Wheeling diode - DC load only- )

## Maximum Switching Capacity

For 2 Poles Relay



X : Contact voltage (v)

Y : Contact current (A)

A : Inductive AC load

B : Resistive AC load

C : Inductive DC load

D : Resistive DC load

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/free Wheeling diode - DC load only- )

For low level loads (below 10mA), we recommend to use RXM\*GB series with bifurcated contacts relays instead.