

miniature plug in relay pre assembled, Harmony Electromechanical Relays, 6A, 4CO, lockable test but to n, mixed terminals socket, 24V DC

RXM4AB1BDPVM

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Main

Range of Product	Harmony Electromechanical Relays	
Series name	RXM series	
Product or Component Type	Pre-assembled plug-in relay with socket	
Relay Type	Miniature relay	
Contacts type and composition	4 C/O	
Status LED	Without	
Control Type	Lockable test button	
[Uc] control circuit voltage	24 V DC	
[Ithe] conventional enclosed thermal current	6 A	
Continuous output current	5 A	

## Complementary

[Uimp] rated impulse withstand voltage	2.5 kV 1.2/50 μs	
[le] rated operational current	3 A 28 V DC) NC IEC 3 A 250 V AC) NC IEC 6 A 28 V DC) NO IEC 6 A 250 V AC) NO IEC 6 A 277 V AC) UL 8 A 30 V DC) UL	
minimum switching current	10 mA	
Minimum switching voltage	17 V	
Minimum switching capacity	170 mW 10 mA, 17 V	
Electrical durability	100000 cycles resistive	
Rated operational voltage limits	19.226.4 V DC	
[Ui] rated insulation voltage	250 V IEC	
Maximum switching voltage	250 V	
Drop-out voltage threshold	>= 0.1 Uc DC	
Load current	6 A 250 V AC 6 A 28 V DC	
Operating time	20 ms	
Maximum switching capacity	1500 VA/168 W AC/DC	
Average resistance	650 Ohm 20 °C +/- 10 %	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Average coil consumption	0.9 W, DC	
Mechanical durability	10000000 cycles	
Safety reliability data	B10d = 100000	
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation coefficient	20 %	
CAD overall width	1.06 in (26.9 mm)	
CAD overall height	3.1 in (79 mm)	
CAD overall depth	3.09 in (78.45 mm)	
Torque Value	8.9 lbf.in (1 N.m)	
Reset time	20 ms	
Contact terminal arrangement	Mixed	
Connections - terminals	Connector, 1 x 0.251 x 2.5 mm² AWG 22AWG 14) flexible with cable end Connector, 2 x 0.252 x 1 mm² AWG 22AWG 17) flexible with cable end Connector, 1 x 0.51 x 2.5 mm² AWG 20AWG 14) solid without cable end Connector, 2 x 0.52 x 1.5 mm² AWG 20AWG 16) solid without cable end	
Dielectric strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation	
Compatibility code	RXM	
Protection category	RTI	
Pollution degree	2	
Operating position	Any position	
Test levels	Level A group mounting	
Device presentation	Complete product	
Sale per indivisible quantity	30	
Contacts material	AgNi	
Shape of pin	Flat (faston type)	
Net Weight	0.212 lb(US) (0.096 kg)	
Environment		
Ambient air temperature for operation	-40131 °F (-4055 °C)	
IP degree of protection	IP20 conforming to IEC 60529	
Standards	UL 508 IEC 61810-1 CSA C22.2 No 14 IEC 61984	
Product Certifications	UL Lloyd's CE CSA GOST JECEF CB Scheme	

3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating

IECEE CB Scheme

10 gnin operation 30 gnnot operating

-40...185 °F (-40...85 °C)

Ambient Air Temperature for Storage

Vibration resistance

Shock resistance

# Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606489563127
Returnability	No
Country of origin	ID

# **Packing Units**

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	0.98 in (2.500 cm)	
Package 1 Width	3.15 in (8.000 cm)	
Package 1 Length	3.15 in (8.000 cm)	
Package 1 Weight	3.245 oz (92.000 g)	
Unit Type of Package 2	BB1	
Number of Units in Package 2	30	
Package 2 Height	3.94 in (10.000 cm)	
Package 2 Width	9.84 in (25.000 cm)	
Package 2 Length	11.65 in (29.600 cm)	
Package 2 Weight	6.856 lb(US) (3.110 kg)	
Unit Type of Package 3	S03	
Number of Units in Package 3	60	
Package 3 Height	11.81 in (30.000 cm)	
Package 3 Width	11.81 in (30.000 cm)	
Package 3 Length	15.75 in (40.000 cm)	
Package 3 Weight	15.708 lb(US) (7.125 kg)	

# **Contractual warranty**

Warranty 18 Months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	15
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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 www.P65Warnings.ca.gov

### Use Again

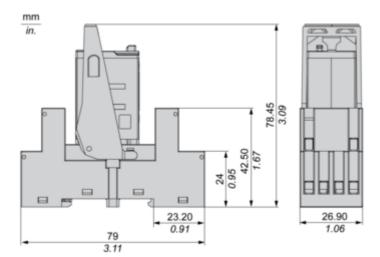
○ Repack and remanufacture		
Circularity Profile	End of Life Information	
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	

# **Product data sheet**

## RXM4AB1BDPVM

## **Dimensions Drawings**

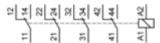
#### **Dimensions**

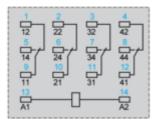


## RXM4AB1BDPVM

Connections and Schema

#### Wiring Diagram





Symbols shown in blue correspond to Nema marking.

#### Product data sheet

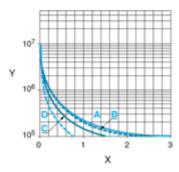
#### RXM4AB1BDPVM

#### Performance Curves

#### **Electrical Durability of Contacts**

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

Resistive AC load



X Switching capacity (kVA)

Y Durability (Number of operating cycles)

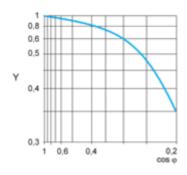
A RXM2AB\*\*\*

B RXM3AB•••

C RXM4AB\*\*\*

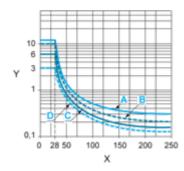
D RXM4GB•••

Reduction coefficient for inductive AC load (depending on power factor  $\cos \varphi$ )



#### Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

A RXM2AB•••

**B** RXM3AB•••

C RXM4AB•••
D RXM4GB•••

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.

# Product data sheet RXM4AB1BDPVM

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**Technical Illustration** 

#### **Dimensions**

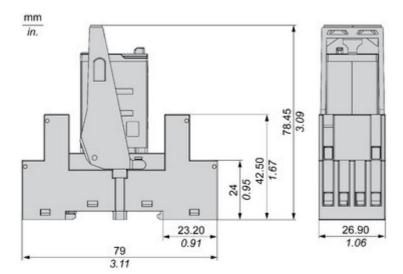


Image of product / Alternate images

#### **Alternative**











