# Disclaimer. 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



# Miniature Plug-in relay - Harmony RXM 4 C/O 220 V DC 3 A with LED

RXM4GB2MD

EAN Code: 3389118374164

! Discontinued

### Main

Range of product	Harmony Electromechanical Relays	
Series name	RXM series	
Product or component type	Plug-in relay	
Relay type	Miniature relay	
Contacts type and composition	4 C/O	
Status LED	With	
Control type	Lockable test button	
[Uc] control circuit voltage	220 V DC	
[Ithe] conventional enclosed thermal current	3 A at -4055 °C	

## Complementary

Complementary		
[Uimp] rated impulse withstand voltage	2.5 kV during 1.2/50 μs	
[le] rated operational current	2 A at 28 V (DC) NO conforming to IEC 2 A at 250 V (AC) NO conforming to IEC 1 A at 28 V (DC) NC conforming to IEC 1 A at 250 V (AC) NC conforming to IEC 3 A at 28 V (DC) conforming to UL 3 A at 277 V (AC) conforming to UL	
Minimum switching capacity	15 mW at 3 mA, 5 V	
Electrical durability	100000 cycles for resistive load depending on mounting position and working environment	
Rated operational voltage limits	176242 V DC	
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Maximum switching voltage	250 V conforming to IEC	
Drop-out voltage threshold	>= 0.1 Uc	
Load current	3 A at 250 V AC 3 A at 28 V DC	
Operating time	20 ms	
Maximum switching capacity	750 VA/84 W	
Average resistance	48400 Ohm at 20 °C +/- 10 %	
Average coil consumption	0.9 W	
Mechanical durability	10000000 cycles	

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Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation coefficient	20 %	
Reset time	20 ms	
Dielectric strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact 2000 V AC between poles	
Compatibility code	RXM	
Protection category	RTI	
Pollution degree	2	
Operating position	Any position	
Test levels	Level A group mounting	
Device presentation	Complete product	
Contacts material	Gold plated bifurcated silver	
Shape of pin	Flat (faston type)	
Net weight	0.037 kg	

# **Environment**

Ambient air temperature for operation	-4055 °C	
IP degree of protection	IP40 conforming to IEC 60529	
Standards	IEC 61810-1 UL 508 CSA C22.2 No 14	
Product certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme	
Ambient air temperature for storage	-4085 °C	
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles not operating	
Shock resistance	10 gn for in operation 30 gn for not operating	

# **Packing Units**

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.100 cm
Package 1 Width	2.700 cm
Package 1 Length	4.800 cm
Package 1 Weight	35.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.200 cm
Package 2 Width	10.200 cm
Package 2 Length	12.600 cm

Package 2 Weight	389.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	120
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	4.943 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	
Total lifecycle Carbon footprint	16
Environmental Disclosure	Product Environmental Profile

### **Use Better**

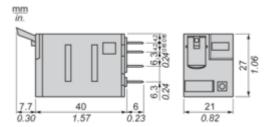
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

### **Use Again**

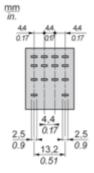
○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

# **Dimensions Drawings**

### **Dimensions**



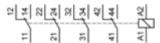
### Pin Side View

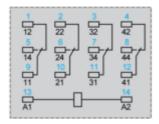


### RXM4GB2MD

Connections and Schema

### Wiring Diagram





Symbols shown in blue correspond to Nema marking.

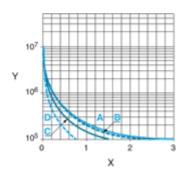
### **Product datasheet**

### RXM4GB2MD

### 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)

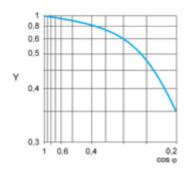
A RXM2AB\*\*\*

B RXM3AB•••

C RXM4AB•••

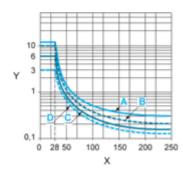
D RXM4GB•••

Reduction coefficient for inductive AC load (depending on power factor cos φ)



### Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

A RXM2AB•••

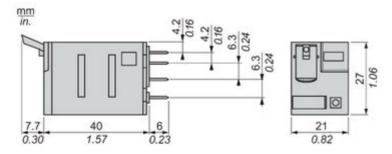
B RXM3AB•••
C RXM4AB•••

D RXM4GB•••

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

### **Technical Illustration**

### **Dimensions**



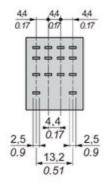


Image of product in real life situation

