

miniature plug in relay, Harmony Electromechanical Relays, 3A, 4CO, without LED, lockable test button, flat (faston type), 120V AC

RXM4GB1F7

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	Without
Control type	Lockable test button
[Uc] control circuit voltage	120 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	3 A at -4055 °C

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	
Average coil consumption in VA	1.2 at 60 Hz	
Rated operational voltage limits	96132 V AC	
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Average consumption	1.2 VA at 60 Hz	
Maximum switching voltage	250 V conforming to IEC	
Drop-out voltage threshold	>= 0.15 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	3630 Ohm at 20 °C +/- 15 %	
Mechanical durability	10000000 cycles	

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)	
Product 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 CSA C22.2 No 14 UL 508	
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	2.800 cm
Package 1 Length	4.800 cm
Package 1 Weight	33.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.000 cm
Package 2 Width	10.500 cm
Package 2 Length	12.700 cm

Package 2 Weight	364.000 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	4.628 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

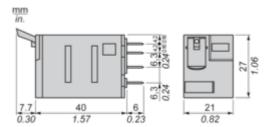
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is 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

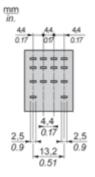
○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions



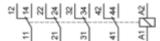
Pin Side View

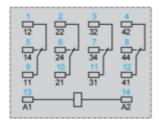


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Connections and Schema

Wiring Diagram





Symbols shown in blue correspond to Nema marking.

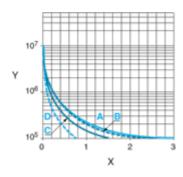
Product data sheet

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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)

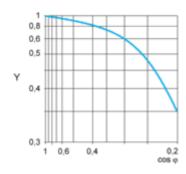
A RXM2AB***

B RXM3AB•••

C RXM4AB•••

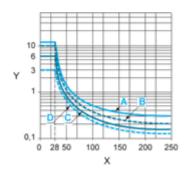
D RXM4GB•••

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

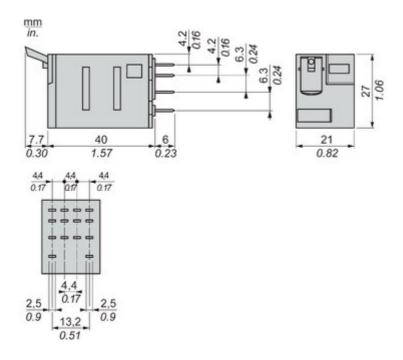


Image of product in real life situation

