

interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, without LED, without lockable test button, 48V AC

RXG23E7

Main

Range of product	Harmony Electromechanical Relays	
Series name	RXG series	
Product or component type	Plug-in relay	
Relay type	Interface relay	
Contacts type and composition	2 C/O	
[Uc] control circuit voltage	48 V AC	
[Ithe] conventional enclosed thermal current	5 A at -4055 °C	
Local signalling	Flag	

Complementary

status LED	With	
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Removable legend	With	
Maximum switching voltage	250 V AC 30 V DC	
Drop-out voltage threshold	>= 0.3 Uc AC	
Load current	5 A at 250 V AC	
Minimum switching capacity	50 mW at 10 mA, 5 V DC	
Maximum switching capacity	1250 VA	
Control type	Without lockable test button	
Contact resistance	100 mOhm	
Insulation resistance	1000 MOhm at 500 V DC	
Electrical insulation class	Class F	
Mechanical durability	10000000 cycles	
Safety reliability data	B10d = 100000	
Operating rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation coefficient	20 %	
Operating time	20 ms	
reset time	20 ms	

Dielectric strength	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation 3000 V AC between poles with basic insulation	
Overvoltage category	III	
Protection category	RTI	_
Pollution degree	2	
Test levels	Level A group mounting	
Device presentation	Complete product	
Contacts material	Silver alloy (AgSnO2In2O3)	
Shape of pin	Flat (faston type)	
Product weight	0.02 kg	

Environment

Standards	IEC 61810-1 CSA C22.2 No 14 UL 508	
Product certifications	UL EAC CSA CE DNV-GL	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-4070 °C	
IP degree of protection	IP40	
Relative humidity	1085 %	
Vibration resistance	3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation 5 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)not in operation	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.300 cm
Package 1 Width	3.200 cm
Package 1 Length	4.200 cm
Package 1 Weight	21.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.500 cm
Package 2 Width	8.200 cm
Package 2 Length	9.200 cm
Package 2 Weight	230.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm

Package 3 Length	40.000 cm
Package 3 Weight	4.781 kg



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	11	

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

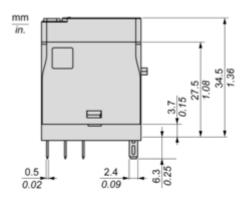
Use Again

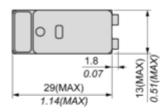
○ Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No

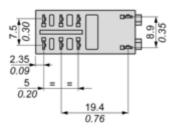
RXG23E7

Dimensions Drawings

Dimensions





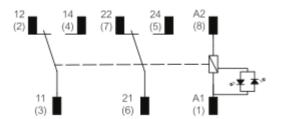


Product data sheet

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Connections and Schema

Wiring Diagram

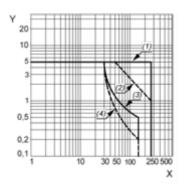


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Performance Curves

Performance Curves

Maximum Switching Capacity



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

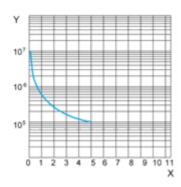
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

(4) DC Inductive Load (L/R=7ms)

Life Expectancy

Resistive Load

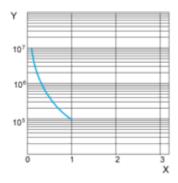


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

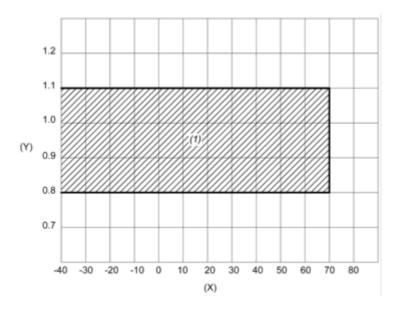
Product data sheet

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

Coil Operating Range

AC Coil Operating Range VS Ambient Temperature

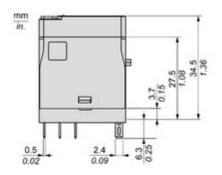


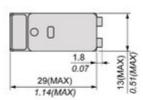
- X : Ambient temperature (°C)
- Y: Coil voltage (U/Uc)
- (1) Permitted operating range area

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Technical Illustration

Dimensions





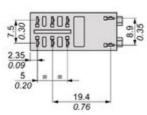


Image of product / Alternate images

Alternative













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Image of product in real life situation

