

# Product data sheet

Specifications



## interface relay, Harmony Electromechanical Relays, 5A, 2CO, clear cover, 220V AC

RXG25M7

⚠ Discontinued on: Oct 9, 2023

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

### Main

Range of Product	Harmony Electromechanical Relays
Series name	Interface relay
Product or Component Type	Plug-in relay
Device short name	RXG
Contacts type and composition	2 C/O
[I <sub>th</sub> ] conventional enclosed thermal current	5 A -40...131 °F (-40...55 °C)

### Complementary

Electrical durability	100000 cycles NO at 55 °C 100000 cycles NC at 55 °C
Mounting position	Any position
colour of cover	Transparent
[U <sub>i</sub> ] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Maximum switching voltage	250 V AC 30 V DC
Drop-out voltage threshold	$\geq 0.3 U_c$ AC
[I <sub>e</sub> ] rated operational current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to UL 10 A at 250 V (AC) conforming to IEC
Load current	5 A 250 V AC
Minimum switching capacity	50 mW at 10 mA, 5 V DC
Maximum switching capacity	1250 VA
Torque Value	7.08 lbf.in (0.8 N.m)
Average resistance	21000 Ohm at 73 °F (23 °C) +/- 15 %
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	$\leq 1800$ cycles/hour under load $\leq 18000$ cycles/hour no-load

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

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
[Uimp] rated impulse withstand voltage	1200 V AC between contacts with micro disconnection 6000 V between coil and contact with reinforced insulation 1500 V between terminals and case with basic insulation
Overvoltage category	III
Protection category	RT I
Pollution degree	2
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	Silver alloy (AgSnO2In2O3)
Product Weight	0.042 lb(US) (0.019 kg)

## Environment

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	CSA CE UL EAC DNV
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
IP Degree of Protection	IP40
Relative humidity	10...85 %
Vibration resistance	3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 Hz)not in operation

## Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480689352
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.36 in (3.45 cm)
Package 1 Width	3.64 in (9.25 cm)
Package 1 Length	3.4 in (8.6 cm)
Package weight(Lbs)	7.7 oz (219 g)
Unit Type of Package 2	BB1

<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	1.4 in (3.5 cm)
<b>Package 2 Width</b>	3.4 in (8.6 cm)
<b>Package 2 Length</b>	3.7 in (9.3 cm)
<b>Package 2 Weight</b>	7.8 oz (220 g)
<b>Unit Type of Package 3</b>	S01
<b>Number of Units in Package 3</b>	240
<b>Package 3 Height</b>	5.9 in (15 cm)
<b>Package 3 Width</b>	5.9 in (15 cm)
<b>Package 3 Length</b>	15.7 in (40 cm)
<b>Package 3 Weight</b>	11.42 lb(US) (5.18 kg)

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

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 >](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	<a href="#">Compliant</a>
California proposition 65	<b>WARNING:</b> 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>

### Use Longer

#### Lifetime extension

Repair	No
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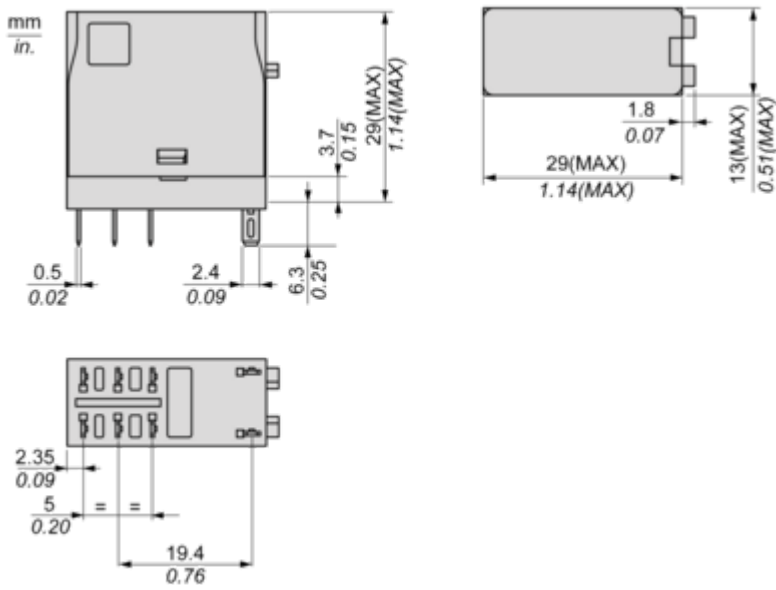
### Use Again

#### Repack and remanufacture

Circularity Profile	No need of specific recycling operations
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Dimensions Drawings

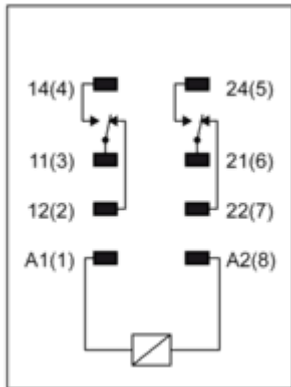
Dimensions



Connections and Schema

Wiring Diagram

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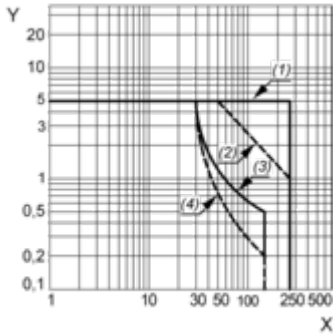


Performance Curves

Performance Curves

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Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

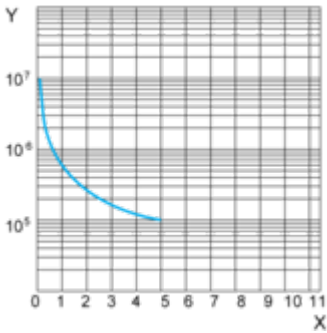
(2) AC Inductive Load  $\cos(\phi)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

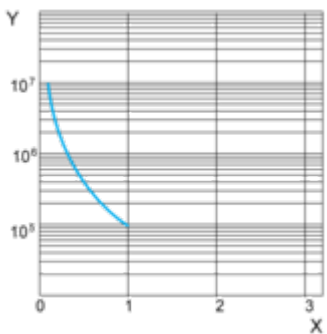


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



X : Contact Current (A)

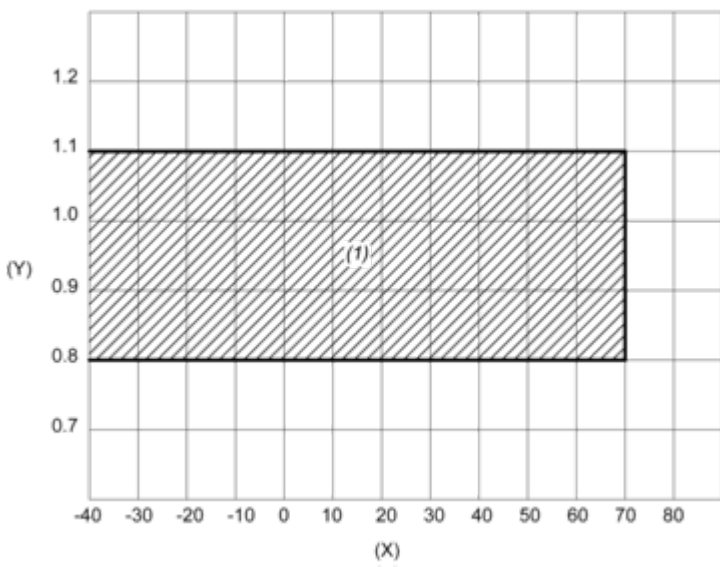
Y : Operating Cycle Number

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

Coil Operating Range

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AC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area

Technical Illustration

Dimensions

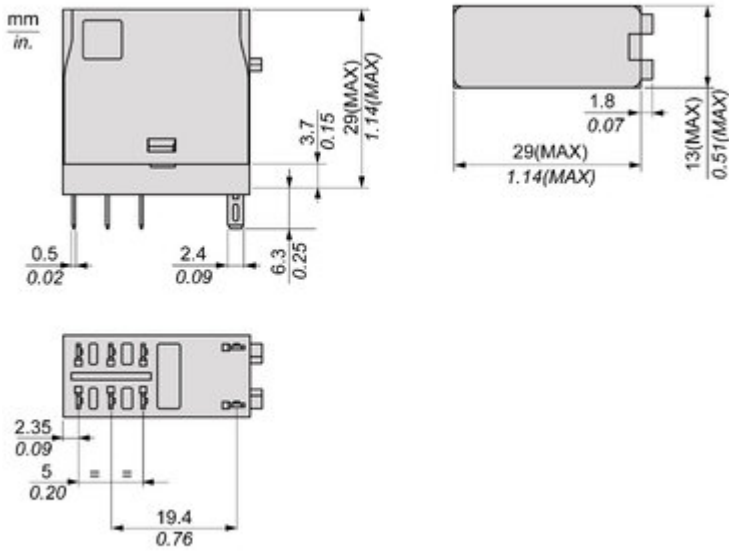
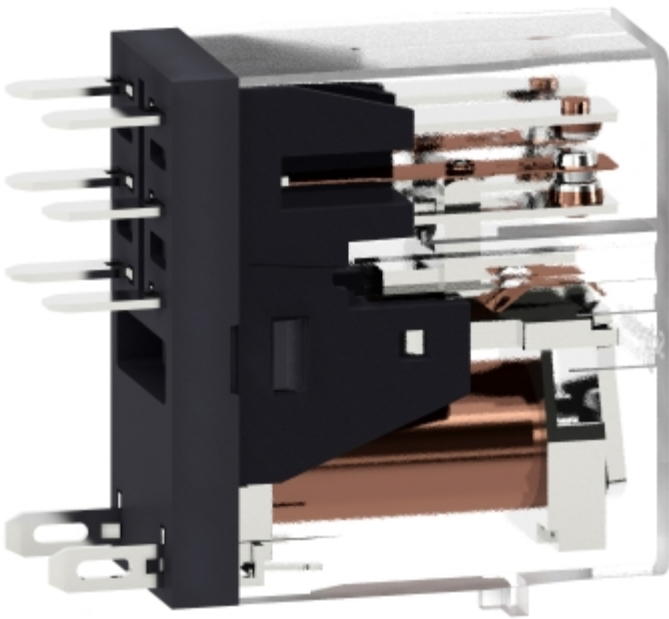


Image of product / Alternate images

Alternative

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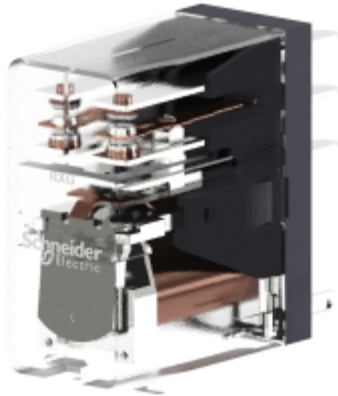


Image of product in real life situation

