

interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, with LED, 24V DC

RXG23BD

Product availability: Stock - Normally stocked in distribution facility

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	24 V DC	
[Ithe] conventional enclosed thermal current	5 A -40131 °F (-4055 °C)	
Local signalling	Flag	

Complementary

Status LED	With	
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL	
Removable legend	With	
Maximum switching voltage	250 V AC 30 V DC	
Drop-out voltage threshold	>= 0.1 Uc DC	
Load current	5 A 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	

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

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)	
Net Weight	0.04 lb(US) (0.02 kg)	

Environment

Standards	CSA C22.2 No 14 UL 508 IEC 61810-1	
Product Certifications	CSA CE EAC UL DNV-GL	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)	
IP Degree of Protection	IP40	
Relative humidity	1085 %	
Vibration resistance	3 gn +/- 0.75 mm 10150 Hz)in operation 5 gn +/- 0.75 mm 10150 Hz)not in operation	

Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
GTIN	3606480689284	
Returnability	Yes	
Country of origin	CN	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	1.42 in (3.600 cm)	
Package 1 Width	1.14 in (2.900 cm)	
Package 1 Length	0.51 in (1.300 cm)	
Package 1 Weight	0.776 oz (22.000 g)	
Unit Type of Package 2	BB1	
Number of Units in Package 2	10	
Package 2 Height	1.38 in (3.500 cm)	
Package 2 Width	3.23 in (8.200 cm)	

Package 2 Length	3.54 in (9.000 cm)	
Package 2 Weight	8.113 oz (230.000 g)	
Unit Type of Package 3	S02	
Number of Units in Package 3	380	
Package 3 Height	5.91 in (15.000 cm)	
Package 3 Width	11.81 in (30.000 cm)	
Package 3 Length	15.75 in (40.000 cm)	
Package 3 Weight	20.111 lb(US) (9.122 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		
Carbon footprint (kg CO2 eq, Total Life cycle)	7	

Use Better

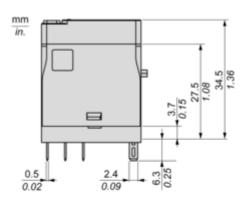
⊗ Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: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

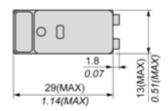
Use Again

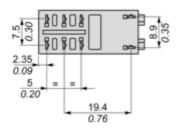
○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No

Dimensions Drawings

Dimensions





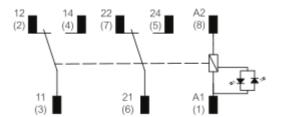


Product data sheet

RXG23BD

Connections and Schema

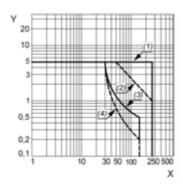
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

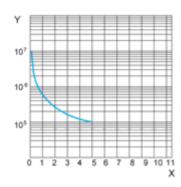
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

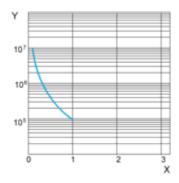


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

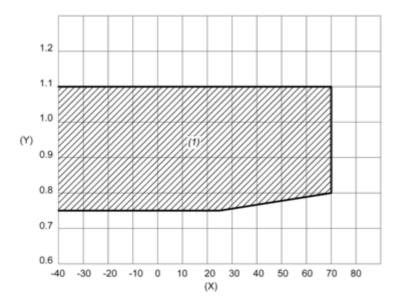
Product data sheet

RXG23BD

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

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



 ${\bf X}$: Ambient temperature (°C)

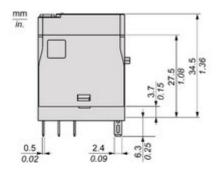
Y: Coil voltage (U/Uc)

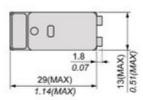
(1) Permitted operating range area

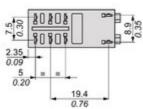
RXG23BD

Technical Illustration

Dimensions







Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony RXG Relay





Offer Marketing Illustration

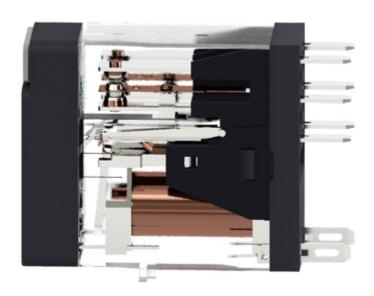
Product benefits / Features



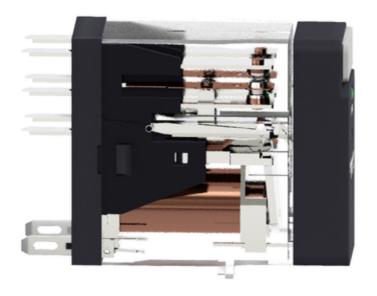
Image of product / Alternate images

Alternative













15

Image of product in real life situation

