

# Product data sheet

Specifications



interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, with LED, lockable test but to n, 24V DC

RXG12BD

Product availability : Stock - Normally stocked in distribution facility

Price\* : 7.20 USD

## 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	1 C/O

## Complementary

Status LED	With
Contacts material	Silver alloy (AgSnO2In2O3)
Maximum contact resistance	100 mOhm
[Ithe] conventional enclosed thermal current	10 A -40...131 °F (-40...55 °C)
[Ie] rated operational current	10 A 30 V DC) UL 10 A 30 V DC) IEC 10 A 250 V AC) IEC 10 A 250 V AC) UL
Maximum switching voltage	250 V AC 30 V DC
Load current	10 A 250 V AC
Maximum switching capacity	2500 VA
Minimum switching capacity	500 mW at 100 mA, 5 V DC
Operating rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Dielectric strength	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation
Coil resistance	1100 Ohm +/- 10 %

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

Insulation resistance	1000 MOhm at 500 V DC
Test levels	Level A group mounting
Mounting position	Any position
Drop-out voltage threshold	>= 0.1 Uc DC
Coil insulation class	Class F
Operate time	20 ms
Release time	20 ms
[Uc] control circuit voltage	24 V DC
Safety reliability data	B10d = 100000
Colour of cover	Standard
Control type	Lockable test button
Local signalling	Flag
Torque Value	7.08 lbf.in (0.8 N.m)
Net Weight	0.04 lb(US) (0.02 kg)
Device presentation	Complete product

## Environment

Vibration resistance	3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 Hz)not in operation
IP Degree of Protection	IP40
Shock resistance	20 gn in operation 100 gn not in operation
Protection category	RT I
Standards	IEC 61810-1 CSA C22.2 No 14 UL 508
Product Certifications	CSA CE EAC UL DNV-GL
Pollution degree	2
Overvoltage category	III
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
Relative humidity	10...85 %

## Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606480688737
Returnability	Yes
Country of origin	CN

## Packing Units

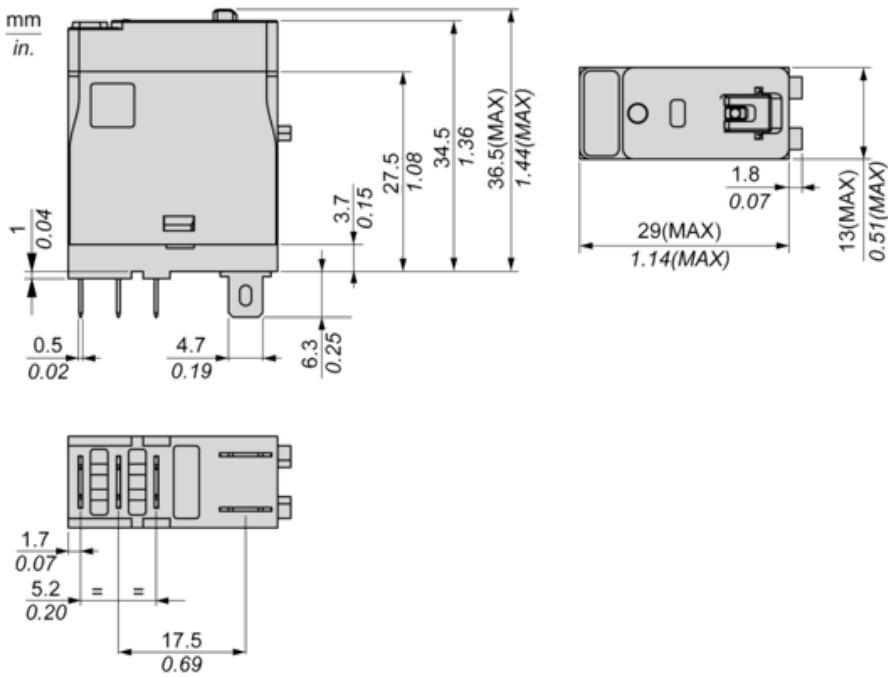
Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	1.14 in (2.89 cm)
Package 1 Width	0.50 in (1.27 cm)
Package 1 Length	1.36 in (3.452 cm)
Package 1 Weight	0.74 oz (20.87 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.36 in (3.45 cm)
Package 2 Width	3.60 in (9.15 cm)
Package 2 Length	3.23 in (8.2 cm)
Package 2 Weight	14.42 oz (408.7 g)
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Height	5.91 in (15 cm)
Package 3 Width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	9.76 lb(US) (4.426 kg)

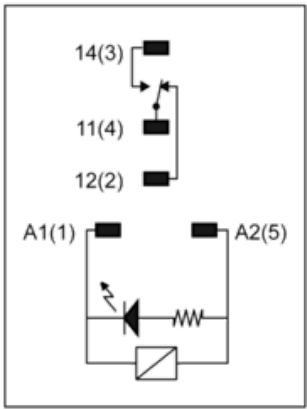
Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations

Dimensions



Wiring Diagram



Performance Curves

Maximum Switching Capacity



- X : Switching voltage (V)
- Y : Switching current (A)
- (1) AC Resistive Load
- (2) AC Inductive Load cos(φ)=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

DC Coil Operating Range VS Ambient Temperature



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

Recommended replacement(s)