

# Product data sheet

## Characteristics

# RXG12B7

Harmony, Interface plug-in relay, 10 A, 1 CO, with LED, with lockable test button, 24 V AC



Product availability: Stock - Normally stocked in distribution facility

Price\*: 8.66 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 (AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> )
Contact resistance	100 MOhm
[I <sub>th</sub> ] conventional enclosed thermal current	10 A -40...131 °F (-40...55 °C)
[I <sub>e</sub> ] 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
[U <sub>i</sub> ] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
[U <sub>imp</sub> ] rated impulse withstand voltage	6 KV 1.2/50 μs
Dielectric strength	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation

Resistance	260 Ohm +/- 10 %
Insulation resistance	1000 MOhm at 500 V DC
Test levels	Level A
Mounting position	Any position
Average consumption	0.82 VA 60 Hz
Drop-out voltage threshold	>= 0.3 Uc AC
Control circuit voltage limits	0.8...1.1 Uc AC
Electrical insulation class	Class F
Operating time	20 ms
Reset time	20 Ms
[Uc] control circuit voltage	24 V AC 50/60 Hz
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	EAC CSA UL CE 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	3606480688669
Nbr. of units in pkg.	1
Package weight(Lbs)	0.78 Oz (22 g)
Returnability	Yes
Country of origin	CN

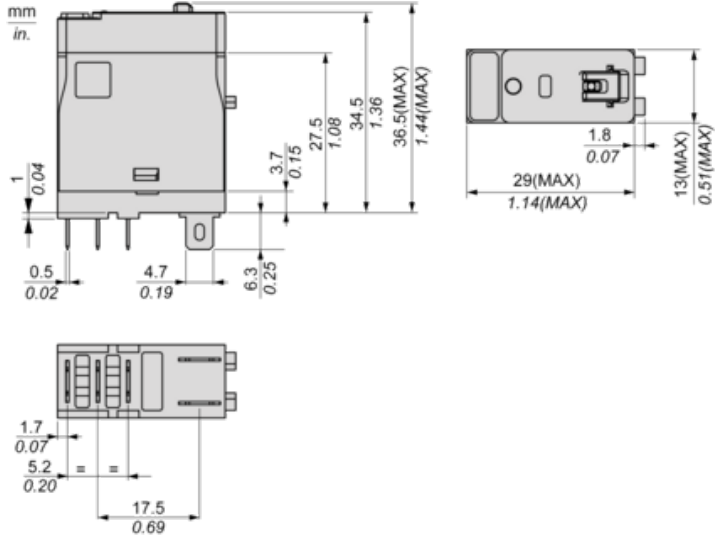
## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 In (4.2 cm)
Package 1 width	0.51 In (1.3 cm)
Package 1 Length	1.14 In (2.9 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	7.97 Oz (226 g)
Package 2 Height	1.38 In (3.5 cm)
Package 2 width	3.27 In (8.3 cm)
Package 2 Length	3.58 In (9.1 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Weight	10.76 Lb(US) (4.88 kg)
Package 3 Height	5.91 In (15 cm)
Package 3 width	5.91 In (15 cm)
Package 3 Length	15.75 In (40 cm)

## 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
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

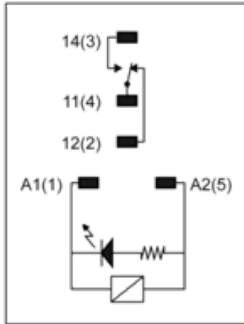
Dimensions



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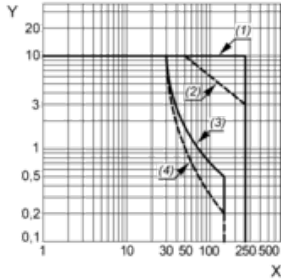
Wiring Diagram

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Performance Curves

Maximum Switching Capacity



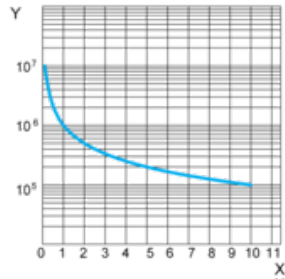
X : Switching voltage (V)

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

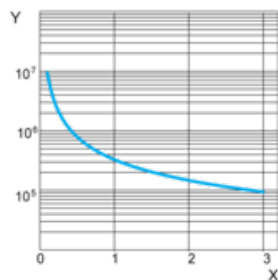


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



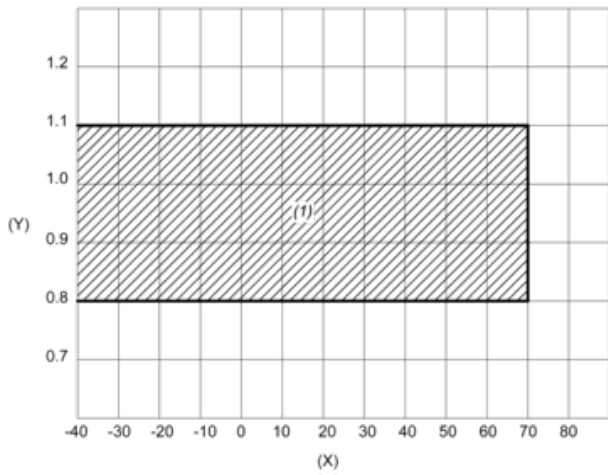
X : Contact Current (A)

Y : Operating Cycle Number

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

Coil Operating Range

## AC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area

Product Life Status : **Commercialised**