Product data sheet
Characteristics

RXG25BD
Harmony, Interface plug-in relay, 5 A, 2 CO, clear cover, 24 V DC



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

Complementary

Contacts material	Silver alloy (AgSnO2In2O3)
Maximum contact resistance	100 mOhm
[Ithe] conventional enclosed thermal current	5 A -40…131 °F (-40…55 °C)
[Ie] rated operational current	5 A 30 V DC) UL 5 A 30 V DC) IEC 5 A 250 V AC) IEC 5 A 250 V AC) UL
Maximum switching voltage	250 V AC 30 V DC
Load current	5 A 250 V AC
Maximum switching capacity	1250 VA
Minimum switching capacity	50 mW at 10 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
[Uimp] 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 3000 V AC between poles with basic insulation
Coil resistance	1100 Ohm +/- 10 %
Insulation resistance	1000 MOhm at 500 V DC
Test levels	Level A
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	Transparent
Torque Value	7.08 lbf.in (0.8 N.m)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Net Weight	0.04 lb(US) (0.018 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	CSA C22.2 No 14 IEC 61810-1 UL 508
Product Certifications	CSA CE EAC UL
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	3606480689390
Nbr. of units in pkg.	1
Package weight(Lbs)	7.90 oz (224 g)
Returnability	No
Country of origin	CN

Packing Units

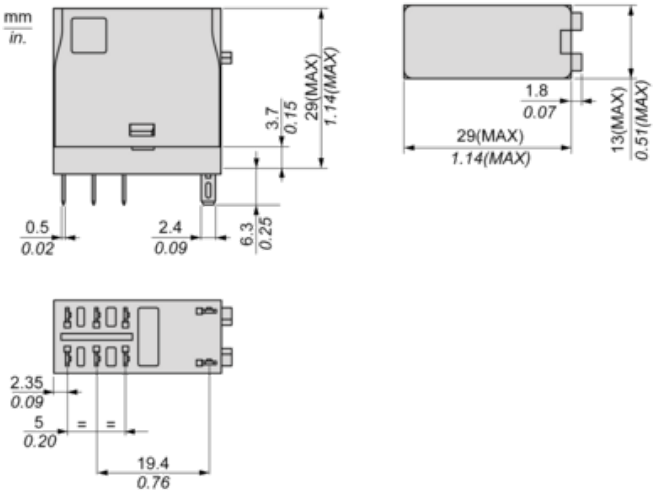
Unit Type of Package 1	PCE
Package 1 Height	1.36 in (34.5 mm)
Package 1 width	3.64 in (92.5 mm)
Package 1 Length	3.39 in (86 mm)

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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile

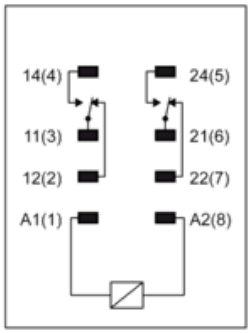
RXG25BD

Dimensions



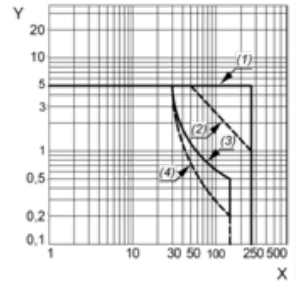
RXG25BD

Wiring Diagram



Performance Curves

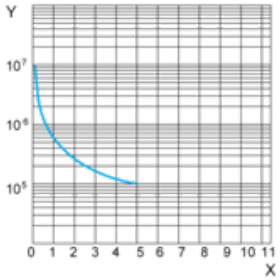
Maximum Switching Capacity



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

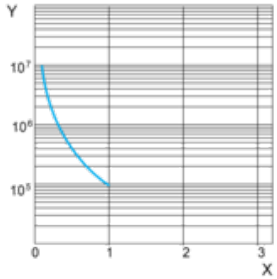
Resistive Load



X : Contact Current (A)
Y : Operating Cycle Number

Life Expectancy

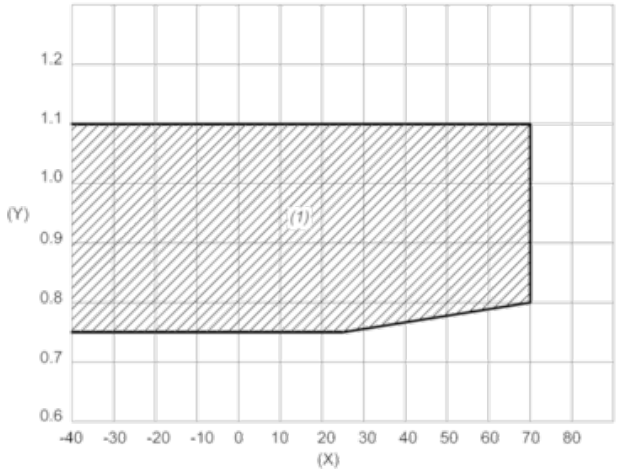
Inductive Load



X : Contact Current (A)
Y : Operating Cycle Number
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