



Product availability: Stock - Normally stocked in distribution facility



## Main

Range of product	Zelio Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RXG
Contacts type and composition	2 C/O

## Complementary

Status LED	Without
Contacts material	Silver alloy (AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> )
Maximum contact resistance	100 mOhm
[I <sub>th</sub> ] conventional enclosed thermal current	5 A -40...131 °F (-40...55 °C)
[I <sub>e</sub> ] 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 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
[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 micro disconnection 5000 V AC between coil and contact reinforced insulation 3000 V AC between poles basic insulation
Coil resistance	270 Ohm +/- 10 %
Insulation resistance	1000 MOhm 500 V DC
Test levels	Level A
Mounting position	Any position
Drop-out voltage threshold	>= 0.1 U <sub>c</sub> DC
Coil insulation class	Class F
Operate time	20 ms
Release time	20 ms
[U <sub>c</sub> ] control circuit voltage	12 V DC
Safety reliability data	B10d = 100000

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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 UL 508 CSA C22.2 No 14
Product certifications	China RoHS CSA CE EAC UL RoHS REACH
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 %

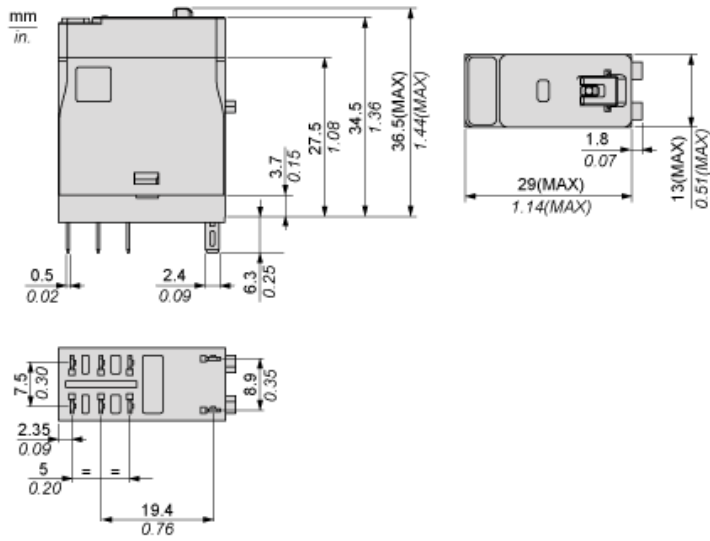
## Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901593478
Package weight(Lbs)	0.02 kg (0.04 lb(US))
Returnability	Yes
Country of origin	CN

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds and Di-isodecyl phthalate (DIDP) which is known to the State of California to cause Carcinogen and 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>
Circularity Profile	No need of specific recycling operations

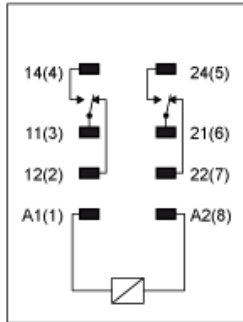
Dimensions



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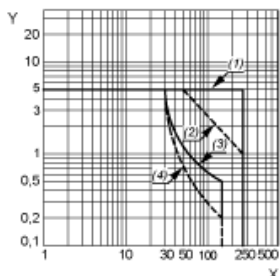
Wiring Diagram

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Performance Curves

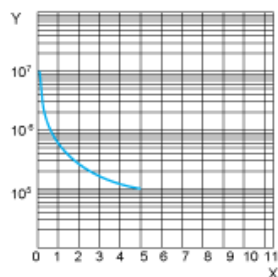
Maximum Switching Capacity



- 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

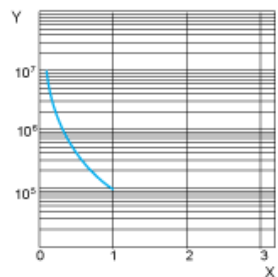
Resistive Load



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

Life Expectancy

Inductive Load

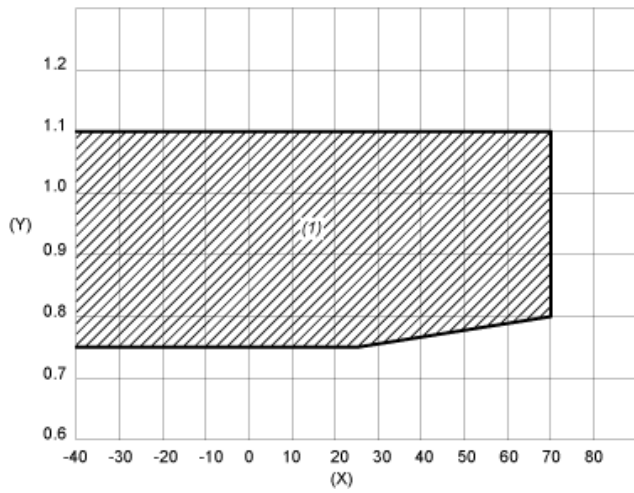


- X : Contact Current (A)
- Y : Operating Cycle Number

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

Coil Operating Range

## DC Coil Operating Range VS Ambient Temperature



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