



Main

Commercial Status	Commercialised
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 ₂ In ₂ O ₃)
Contact resistance	100 mOhm
[I _{th}] conventional enclosed thermal current	5 A (temperature : -40...131 °F (-40...55 °C))
[I _e] rated operational current	5 A at 250 V AC conforming to UL 5 A at 250 V AC conforming to IEC 5 A at 30 V DC conforming to IEC 5 A at 30 V DC conforming to UL
Maximum switching voltage	30 V DC 250 V AC
Load current	5 A at 250 V AC
Maximum switching capacity	1250 VA
Minimum switching capacity	50 mW at 10 mA, 5 V DC
Operating rate	<= 18000 cycles/hour no-load <= 1800 cycles/hour under load
Utilisation coefficient	20 %
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles NC resistive load at 55 °C 100000 cycles NO resistive load at 55 °C
[U _i] rated insulation voltage	300 V conforming to UL 300 V conforming to CSA 250 V conforming to IEC
[U _{imp}] rated impulse withstand voltage	6 kV 1.2/50 µs
Dielectric strength	3000 V AC (basic insulation between poles) 5000 V AC (reinforced insulation between coil and contact) 1000 V AC (micro disconnection between contacts)
Resistance	22800 Ohm +/- 15 %
Insulation resistance	1000 MOhm at 500 V DC
Mounting position	Any position
Average consumption in W	0.53 W
Drop-out voltage threshold	>= 0.1 U _c DC
Electrical insulation class	Class F
Operating time	20 ms
Reset time	20 ms
Control circuit voltage	110 V DC
Safety reliability data	B10d = 100000

Colour of cover	Standard
Control type	Lockable test button
Local signalling	Flag
Product weight	0.04 lb(US) (0.02 kg)

Environment

Vibration resistance	5 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (not in operation) 3 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (in operation)
IP degree of protection	IP40
Shock resistance	100 gn not in operation 20 gn in operation
Protection category	RT I
Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product certifications	CE CSA RoHS UL REACH EAC China RoHS
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 %

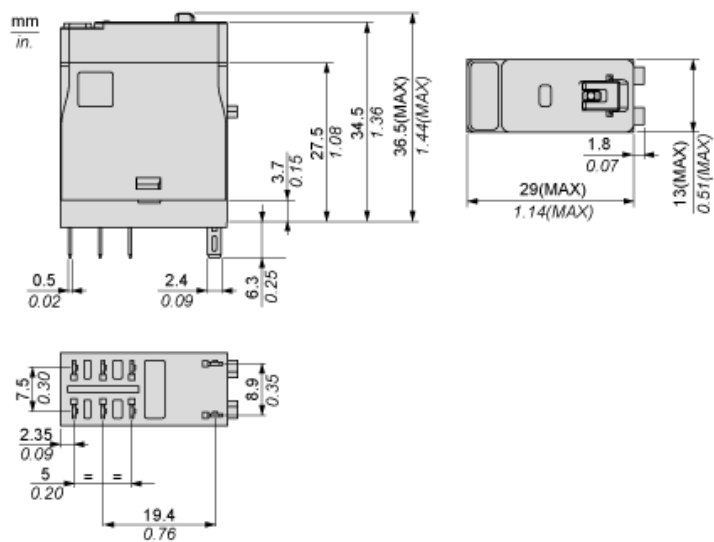
Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901616535
Nbr. of units in pkg.	10
Returnability	N
Country of origin	CN

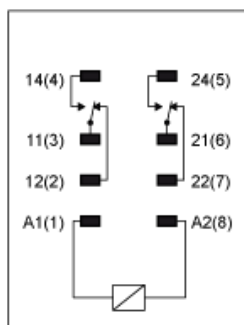
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1426 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Need no specific recycling operations

Dimensions

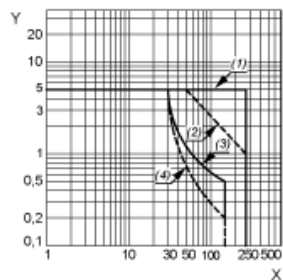


Wiring Diagram



Performance Curves

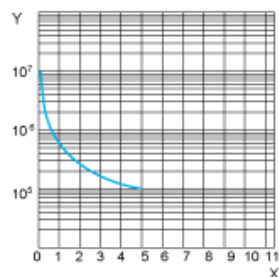
Maximum Switching Capacity



- X : Switching voltage (V)
Y : Switching current (A)
(1) AC Resistive Load
(2) AC Inductive Load $\cos(\phi)=0.4$
(3) DC Resistive Load
(4) DC Inductive Load ($L/R=7\text{ms}$)

Life Expectancy

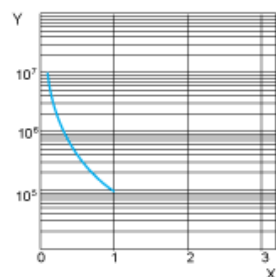
Resistive Load



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

Life Expectancy

Inductive Load

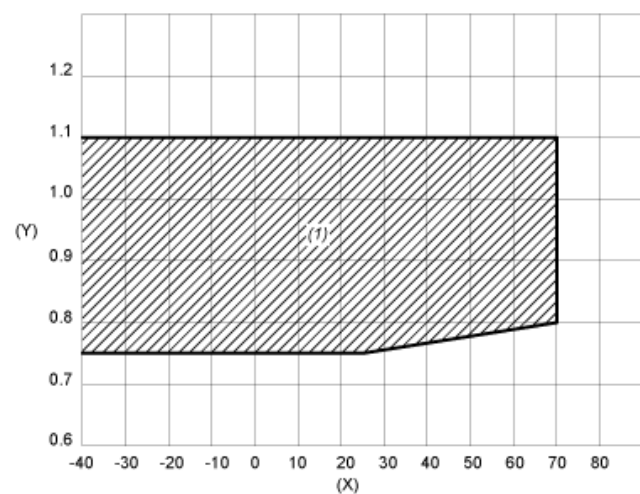


- X : Contact Current (A)
Y : Operating Cycle Number

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