Product data sheet

Specifications





Interface plug-in relay, 10 A, 1 CO, LED, 48 V DC

RXG13ED

- ! Discontinued on: Dec 2, 2020
- ! End-of-service on: Dec 31, 2020

① Discontinued

Main

Range Of Product	Harmony Relay	
Series Name	Interface relay	
Product Or Component Type	Plug-in relay	
Device Short Name	RXG	
Contacts Type And Composition	1 C/O	
[Ithe] Conventional Enclosed Thermal Current	10 A -40131 °F (-4055 °C)	
Local Signalling	Flag	

Complementary

Status Led	With
[le] 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
Electrical Durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C
Coil Resistance	4400 Ohm +/- 10 %
Shock Resistance	20 gn in operation 100 gn not in operation
Mounting Position	Any position
[Uc] Control Circuit Voltage	48 V DC
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Load Current	10 A 250 V AC
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC
Maximum Switching Capacity	2500 VA
Torque Value	7.08 lbf.in (0.8 N.m)
Insulation Resistance	1000 MOhm at 500 V DC
Mechanical Durability	10000000 cycles
Safety Reliability Data	B10d = 100000
Overvoltage Category	III
Maximum Switching Voltage	250 V AC 30 V DC

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

Protection Category	RTI	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation Coefficient	20 %	
Pollution Degree	2	
[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	
Test Levels	Level A group mounting	
Device Presentation	Complete product	
Contacts Material	Silver alloy (AgSnO2In2O3)	
Net Weight	0.04 lb(US) (0.02 kg)	

Environment

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1	
Product Certifications	CSA UL EAC CE	
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)	
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)	
Ip Degree Of Protection	IP40	
Relative Humidity	1085 %	
Vibration Resistance	3 gn +/- 0.75 mm 10150 Hz)in operation 5 gn +/- 0.75 mm 10150 Hz)not in operation	

Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS	
Discount Schedule	CP2	
Gtin	00785901949862	
Returnability	No	
Country Of Origin	CN	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

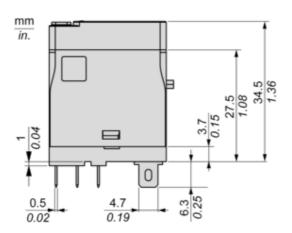
Ø	Reach Free Of Svhc	
Ø	Toxic Heavy Metal Free	
⊘	Mercury Free	
Ø	Rohs Exemption Information	Yes

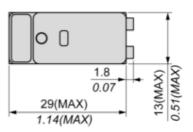
Certifications & Standards

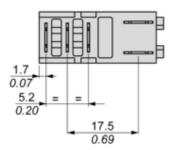
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
California 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

Dimensions Drawings

Dimensions





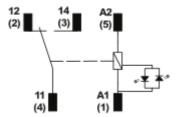


Product data sheet

RXG13ED

Connections and Schema

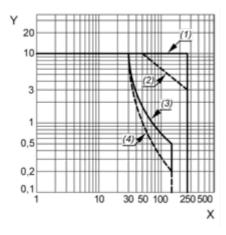
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

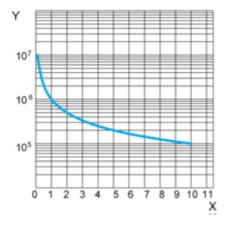
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

(4) DC Inductive Load (L/R=7ms)

Life Expectancy

Resistive Load



X: Contact Current (A)

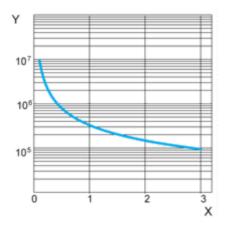
Y: Operating Cycle Number

Life Expectancy

Inductive Load

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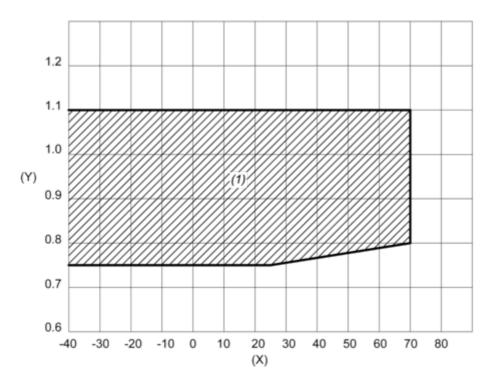


X : Contact Current (A)
Y : Operating Cycle Number

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