Product datasheet

Specifications





interface plug-in relay - Zelio RXG - 1C/O standard - 60VDC-10A-with LTB and LED

RXG12ND

! Discontinued on: Aug 27, 2020

! End-of-service on: Oct 1, 2020

! Discontinued

Main

Range Of Product	Interface relay	
Series Name		
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 at -4055 °C	
Local Signalling	ing Flag	

Complementary

Status Led	With	
[le] Rated Operational Current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to IEC 10 A at 250 V (AC) conforming to UL	
Electrical Durability	100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C	
Coil Resistance	6700 Ohm +/- 10 %	
Shock Resistance	20 gn in operation 100 gn not in operation	
Mounting Position	Any position	
[Uc] Control Circuit Voltage	60 V DC	
Colour Of Cover	Standard	
Drop-Out Voltage Threshold	>= 0.1 Uc DC	
Load Current	10 A at 250 V AC	
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC	
Maximum Switching Capacity	ity 2500 VA	
Control Type	Lockable test button	
Torque Value	0.8 N.m	
Contact Resistance	100 mOhm	
Insulation Resistance	1000 MOhm at 500 V DC	
Electrical Insulation Class	Class F	
Mechanical Durability 10000000 cycles		

Safety Reliability Data	B10d = 100000	
Operating Time	20 ms	
Reset Time	20 ms	
Overvoltage Category	III	
Maximum Switching Voltage	250 V AC 30 V DC	
Protection Category	ection Category RT I	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Pollution Degree	lution Degree 2	
Utilisation Coefficient	20 %	
[Ui] Rated Insulation Voltage	Voltage 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Dielectric Strength	th 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	Presentation Complete product	
Contacts Material	laterial Silver alloy (AgSnO2ln2O3)	
Net Weight	ight 0.02 kg	

Environment

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

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

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

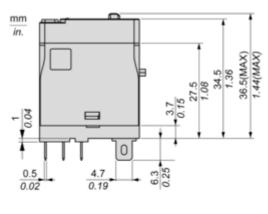
Certifications & Standards

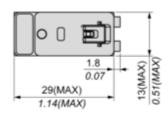
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

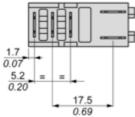
RXG12ND

Dimensions Drawings

Dimensions





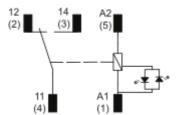


Product datasheet

RXG12ND

Connections and Schema

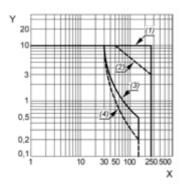
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

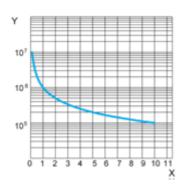
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

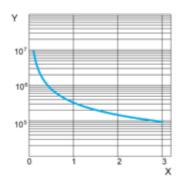


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

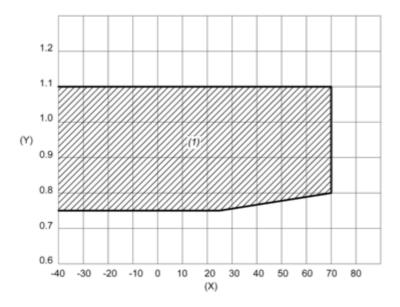
Product datasheet

RXG12ND

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

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



 ${\bf X}$: Ambient temperature (°C)

Y: Coil voltage (U/Uc)

(1) Permitted operating range area