Product datasheet

Specifications





interface plug-in relay - Zelio RXG - 1C/O standard - 48V AC - 10 A - with LTB

RXG11E7

! Discontinued on: 1 Nov 2020



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 at -4055 °C	
Local Signalling	Flag	

Complementary

Status Led	Without	
[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	1100 Ohm +/- 10 %	
Shock Resistance	20 gn in operation 100 gn not in operation	
Mounting Position	Any position	
Average Consumption In Va	0.82 VA 60 Hz	
Control Circuit Voltage Limits	s 0.81.1 Uc AC	
[Uc] Control Circuit Voltage	48 V AC 50/60 Hz	
Colour Of Cover	Standard	
Drop-Out Voltage Threshold	>= 0.3 Uc AC	
Load Current	10 A at 250 V AC	
Minimum Switching Capacity	Capacity 500 mW at 100 mA, 5 V DC	
Maximum Switching Capacity	y 2500 VA	
Control Type	Lockable test button	
Torque Value	0.8 N.m	
Contact Resistance	100 mOhm	
nsulation Resistance 1000 MOhm at 500 V DC		

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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	n Switching Voltage 250 V AC 30 V DC	
Protection Category	RT I	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Pollution Degree 2		
Utilisation Coefficient	20 %	
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to 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	0.02 kg	

Environment

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1	
Product Certifications	EAC UL CSA CE DNV-GL	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation	-4070 °C	
Ip Degree Of Protection	IP40	
Relative Humidity	1085 %	
Vibration 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	



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Transparency RoHS/REACh

Well-being performance

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

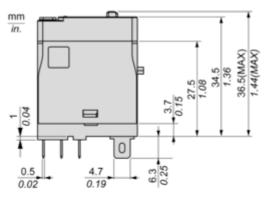
Certifications & Standards

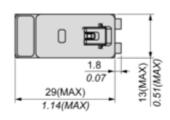
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

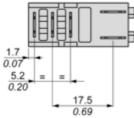
RXG11E7

Dimensions Drawings

Dimensions





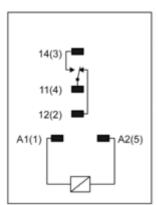


Product datasheet

RXG11E7

Connections and Schema

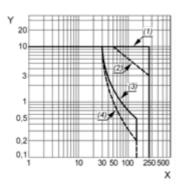
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

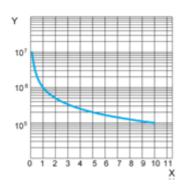
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

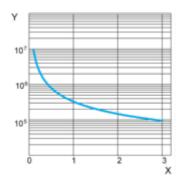


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

Product datasheet

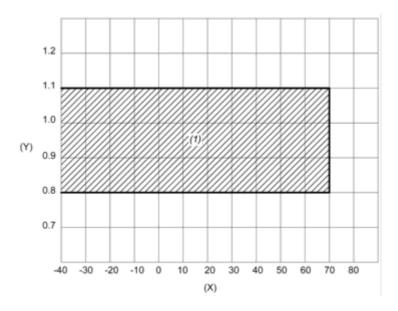
RXG11E7

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

25 Jun 2024

Coil Operating Range

AC Coil Operating Range VS Ambient Temperature



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