

Product datasheet

Specifications



Interface plug-in relay, 10 A, 1 CO, lockable test button, 220 V AC

RXG11M7

- ❗ Discontinued on: 20 October 2020
- ❗ End-of-service on: 30 June 2022

❗ 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 |

Complementary

| | |
|--|--|
| Status LED | Without |
| Contacts material | Silver alloy (AgSnO2In2O3) |
| Maximum contact resistance | 100 mOhm |
| [Ithe] conventional enclosed thermal current | 10 A at -40...55 °C |
| [Ie] 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 |
| Maximum switching voltage | 250 V AC 30 V DC |
| Load current | 10 A at 250 V AC |
| Maximum switching capacity | 2500 VA |
| Minimum switching capacity | 500 mW at 100 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 for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C |
| [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 |
| Coil resistance | 21000 Ohm +/- 15 % |
| Insulation resistance | 1000 MOhm at 500 V DC |

| | |
|--------------------------------|------------------------|
| Test levels | Level A group mounting |
| Mounting position | Any position |
| Average consumption in VA | 0.82 VA 60 Hz |
| Drop-out voltage threshold | >= 0.3 Uc AC |
| Control circuit voltage limits | 0.8...1.1 Uc AC |
| Coil insulation class | Class F |
| Operate time | 20 ms |
| Release time | 20 ms |
| [Uc] control circuit voltage | 220 V AC 50/60 Hz |
| Safety reliability data | B10d = 100000 |
| Colour of cover | Standard |
| Control type | Lockable test button |
| Local signalling | Flag |
| Torque value | 0.8 N.m |
| Net weight | 0.02 kg |
| Device presentation | Complete product |

Environment

| | |
|---------------------------------------|--|
| Vibration resistance | 3 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)in operation 5 gn, amplitude = +/- 0.75 mm (f = 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 | UL 508 IEC 61810-1 CSA C22.2 No 14 |
| Product certifications | UL CE EAC CSA DNV-GL |
| Pollution degree | 2 |
| Overvoltage category | III |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...70 °C |
| Relative humidity | 10...85 % |

Packing Units

| | |
|------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

Offer Sustainability

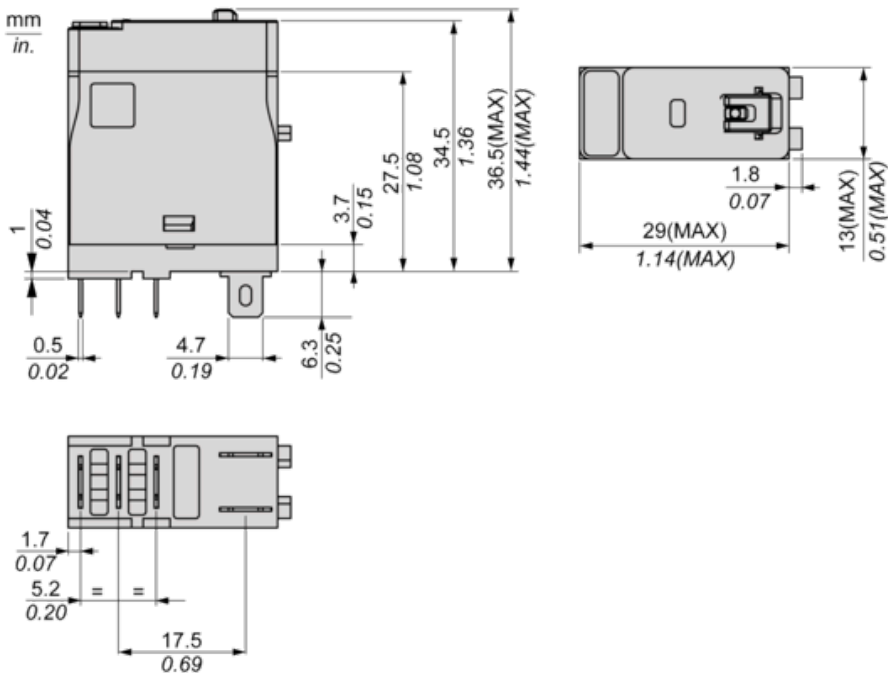
| | |
|--------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |

| | |
|----------------------------|---|
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |

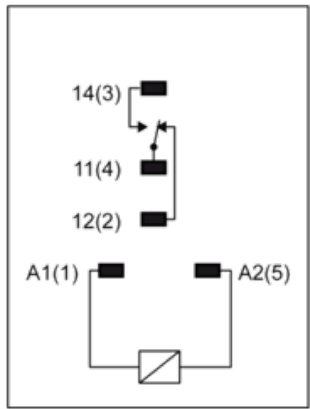
Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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(φ)=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

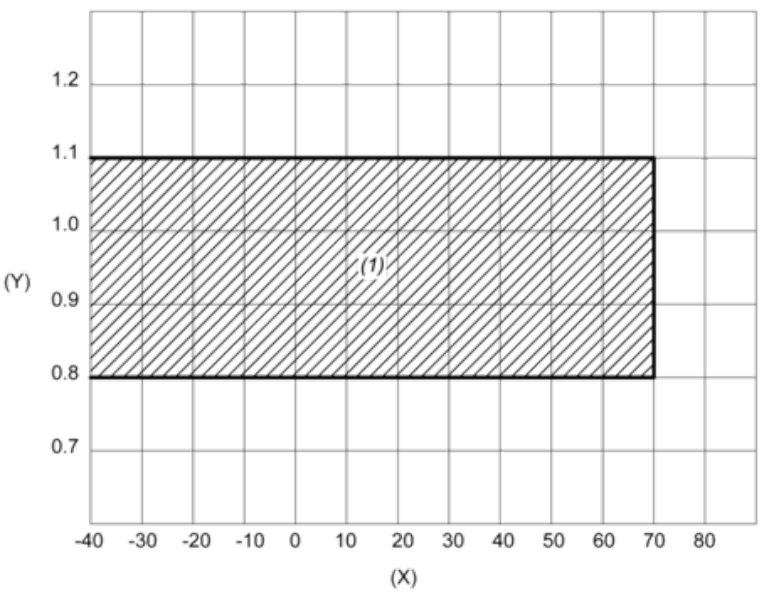
Inductive Load



- 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

AC Coil Operating Range VS Ambient Temperature



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

Recommended replacement(s)

RXG11M7 is replaced by the following product range:



Zelio Electromechanical Relay
Plug-in relays
Products: 228