



Main

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|-------------------------------|-----------------|
| 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

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| Status LED | With |
| Contacts material | Silver alloy (AgSnO2In2O3) |
| Contact resistance | 100 mOhm |
| [Ithe] conventional enclosed thermal current | 5 A (temperature : -40...55 °C) |
| [Ie] rated operational current | 5 A at 30 V DC conforming to UL 5 A at 30 V DC conforming to IEC 5 A at 250 V AC conforming to IEC 5 A at 250 V AC conforming to UL |
| Maximum switching voltage | 250 V AC 30 V DC |
| 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 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 UL 300 V conforming to CSA |

| | |
|--|--|
| [Uimp] rated impulse withstand voltage | 6 kV for 1.2/50 µs |
| Dielectric strength | 5000 V AC (reinforced insulation between coil and contact) 3000 V AC (basic insulation between poles) 1000 V AC (micro disconnection between contacts) |
| Resistance | 1100 Ohm +/- 10 % |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Mounting position | Any position |
| Average consumption | 0.82 VA at 60 Hz |
| Drop-out voltage threshold | >= 0.3 Uc AC |
| Control circuit voltage limits | 0.8...1.1 Uc, AC |
| Electrical insulation class | Class F |
| Operating time | 20 ms |
| Reset time | 20 ms |
| Control circuit voltage | 48 V AC |
| Safety reliability data | B10d = 100000 |
| Colour of cover | Standard |
| Control type | Lockable test button |
| Local signalling | Flag |
| Product weight | 0.02 kg |

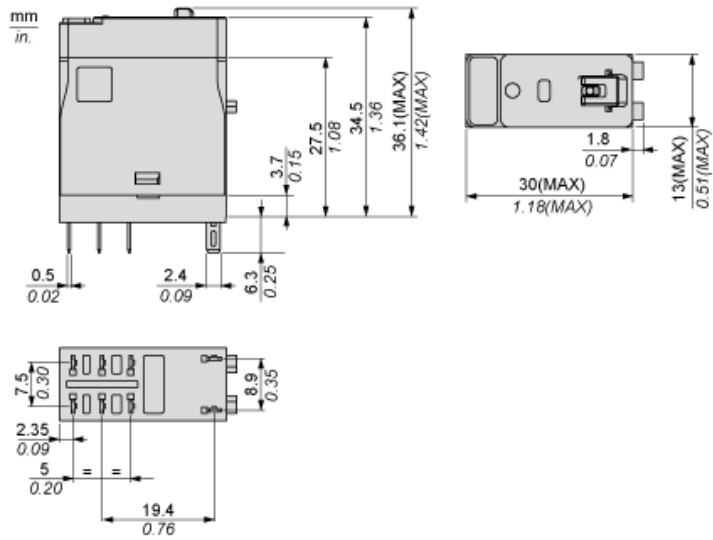
Environment

| | |
|---------------------------------------|--|
| Vibration resistance | 3 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (in operation) 5 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (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 CSA C22.2 No 14 IEC 61810-1 |
| Product certifications | RoHS UL REACH CSA EAC CE China RoHS |
| 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 % |

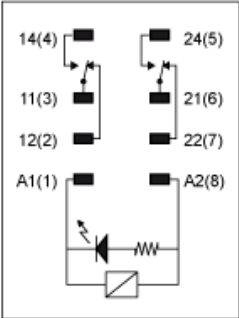
Offer Sustainability

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

Dimensions

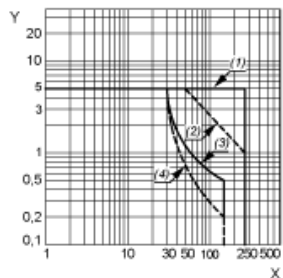


Wiring Diagram



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=7ms)

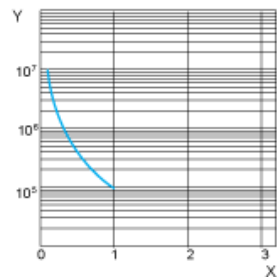
Life Expectancy

Resistive Load

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

Life Expectancy

Inductive Load

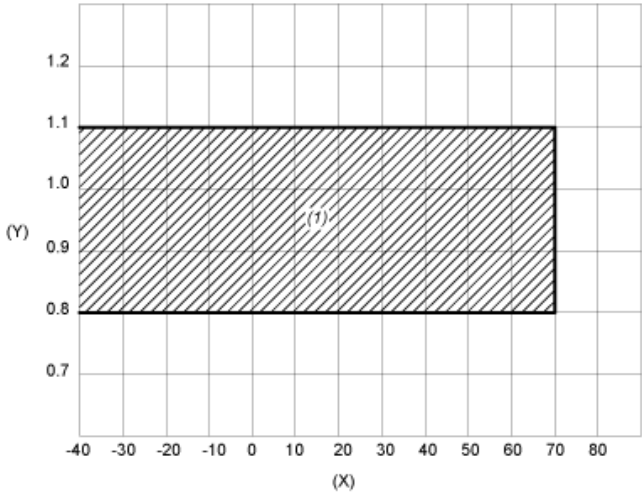


- X : Contact Current (A)
- Y : Operating Cycle Number

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