# Product data sheet
## Characteristics

# RXG22B7
interface plug-in relay - Zelio RXG - 2C/O standard -24VAC-5A - with LTB and LED




## Main

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

| | |
|---|---|
| Status LED | With |
| Contacts material | Silver alloy (AgSnO2In2O3) |
| Maximum 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<br>5 A at 30 V DC conforming to IEC<br>5 A at 250 V AC conforming to IEC<br>5 A at 250 V AC conforming to UL |
| Maximum switching voltage | 250 V AC<br>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<br><= 1800 cycles/hour under load |
| Utilisation coefficient | 20 % |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles for NO resistive load at 55 °C<br>100000 cycles for NC resistive load at 55 °C |
| [Ui] rated insulation voltage | 250 V conforming to IEC<br>300 V conforming to UL<br>300 V conforming to CSA |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| [Uimp] rated impulse withstand voltage | 6 kV for 1.2/50 µs |
| Dielectric strength | 5000 V AC (reinforced insulation between coil and contact)<br>3000 V AC (basic insulation between poles)<br>1000 V AC (micro disconnection between contacts) |
| Coil resistance | 260 Ohm +/- 10 % |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Mounting position | Any position |
| Average consumption in VA | 0.82 VA at 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 | 24 V AC |
| Safety reliability data | B10d = 100000 |
| Colour of cover | Standard |
| Control type | Lockable test button |
| Local signalling | Flag |
| Product weight | 0.02 kg |
| Device presentation | Complete product |

## Environment

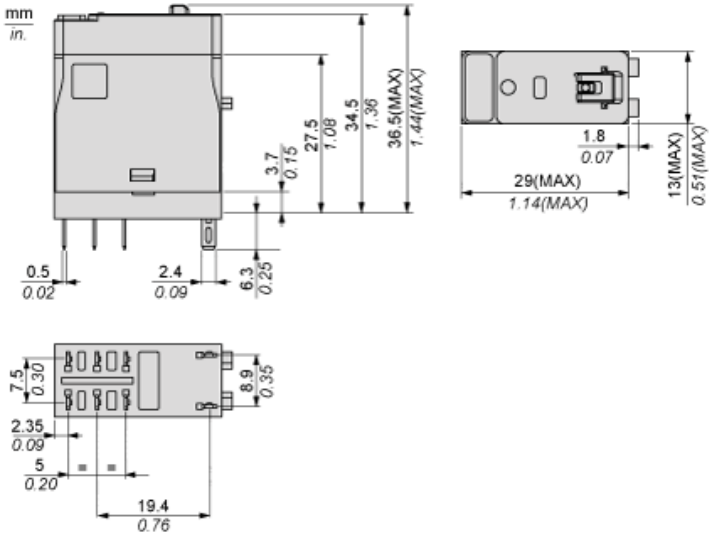
| | |
|---|---|
| Vibration resistance | 3 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (in operation)<br>5 gn (f = 10...150 Hz), amplitude +/- 0.75 mm (not in operation) |
| IP degree of protection | IP40 |
| Shock resistance | 20 gn in operation<br>100 gn not in operation |
| Protection category | RT I |
| Standards | UL 508<br>CSA C22.2 No 14<br>IEC 61810-1 |
| Product certifications | CE<br>CSA<br>RoHS<br>UL<br>REACH<br>EAC<br>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 % |
| Torque value | 0.8 N.m |

## Offer Sustainability

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

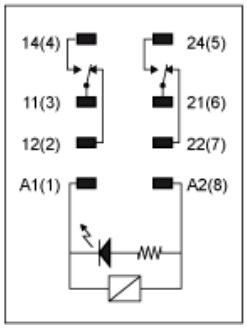
RXG22B7

## Dimensions



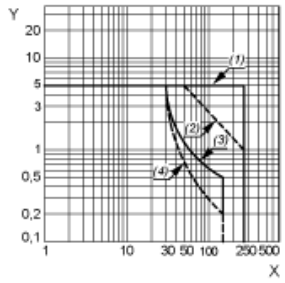
# RXG22B7

## Wiring Diagram



## Performance Curves

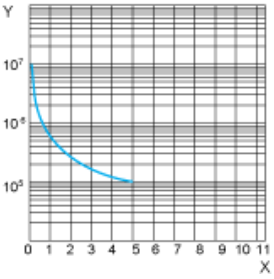
### Maximum Switching Capacity




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

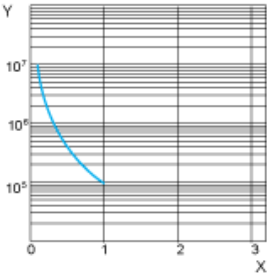
Resistive Load




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

### Life Expectancy

Inductive Load

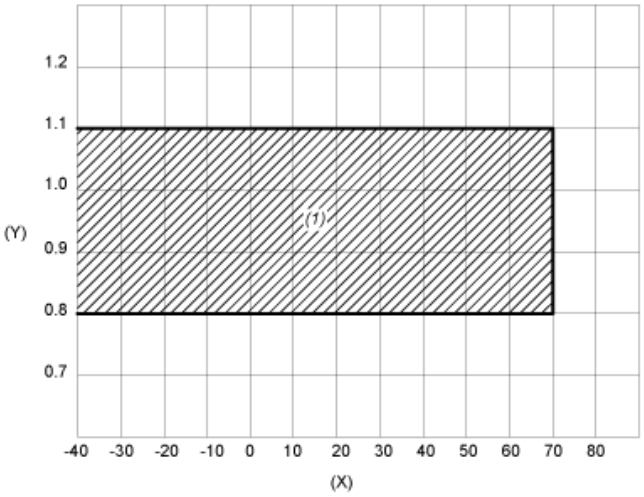



X : Contact Current (A)
Y : Operating Cycle Number

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