



## 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 (AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> )  |
| Contact resistance                                       | 100 mOhm   |
| [I <sub>th</sub> ] conventional enclosed thermal current | 5 A (temperature : -40...55 °C)  |
| [I <sub>e</sub> ] 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   |
| [U <sub>i</sub> ] rated insulation voltage               | 250 V conforming to IEC<br>300 V conforming to UL<br>300 V conforming to CSA   |
| [U <sub>imp</sub> ] 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) |
| Resistance   | 1100 Ohm +/- 10 %  |
| Insulation resistance                                    | 1000 MOhm at 500 V DC  |
| Mounting position  | Any position   |
| Average coil consumption                                 | 0.53 W   |
| Drop-out voltage threshold                               | >= 0.1 U <sub>c</sub> DC   |
| Electrical insulation class                              | Class F  |
| Operating time   | 20 ms  |
| Reset time   | 20 ms  |
| [U <sub>c</sub> ] control circuit voltage                | 24 V DC  |
| 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 |

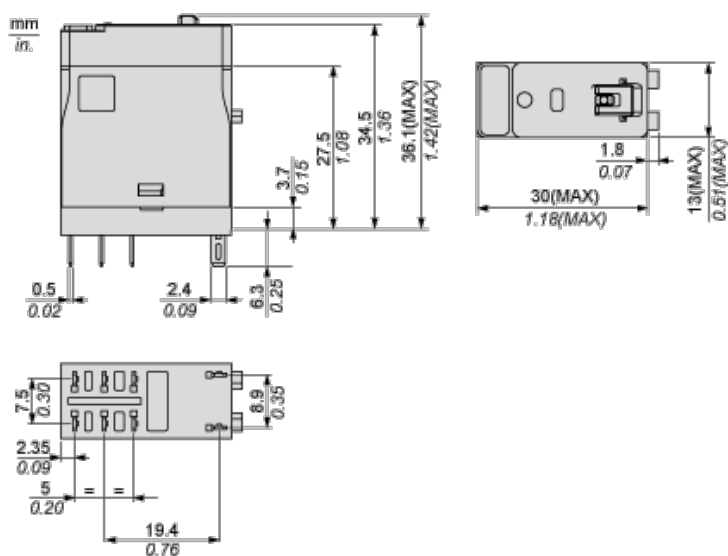
## Environment

|                                       |  |
|---------------------------------------|--|
| 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 %  |

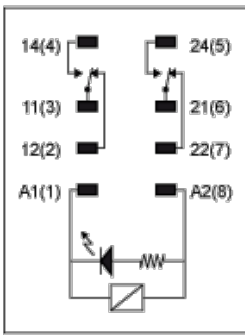
## Offer Sustainability

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

## Dimensions

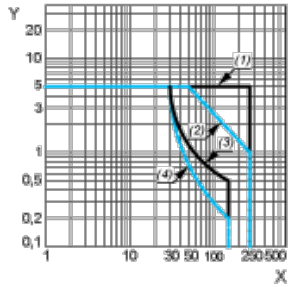


## Wiring Diagram



## Performance Curves

### Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

(2) AC Inductive Load  $\cos(\phi)=0.4$

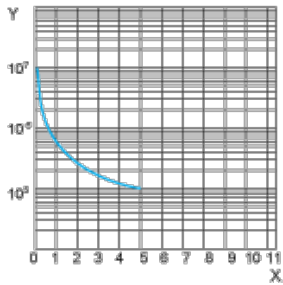
(3) DC Resistive Load

(4) DC Inductive Load  $T0.95=6P$

## Performance Curves

### Life Expectancy

Resistive Load



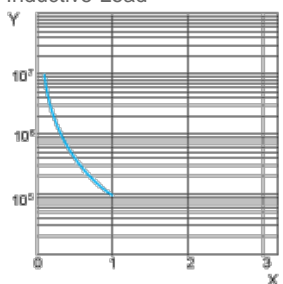
X : Contact Current (A)

Y : Operating Cycle Number

## Performance Curves

### Life Expectancy

Inductive Load



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