



### 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 | 1 C/O           |

### Complementary

|                                                          |                                                                                                                                                  |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Status LED                                               | Without                                                                                                                                          |
| 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 | 10 A (temperature : -40...131 °F (-40...55 °C))                                                                                                  |
| [I <sub>e</sub> ] rated operational current              | 10 A at 30 V DC conforming to UL<br>10 A at 30 V DC conforming to IEC<br>10 A at 250 V AC conforming to IEC<br>10 A at 250 V AC conforming to UL |
| Maximum switching voltage                                | 250 V AC<br>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                                           | <= 18000 cycles/hour no-load<br><= 1800 cycles/hour under load                                                                                   |
| Utilisation coefficient                                  | 20 %                                                                                                                                             |
| Mechanical durability                                    | 10000000 cycles                                                                                                                                  |
| Electrical durability                                    | 100000 cycles NO resistive load at 55 °C<br>100000 cycles 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 1.2/50 µs                                                                                                                                   |
| Dielectric strength                                      | 5000 V AC (reinforced insulation between coil and contact)<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 consumption                                      | 0.82 VA at 60 Hz                                                                                                                                 |
| Drop-out voltage threshold                               | >= 0.3 U <sub>c</sub> AC                                                                                                                         |
| Control circuit voltage limits                           | 0.8...1.1 U <sub>c</sub> , AC                                                                                                                    |
| Electrical insulation class                              | Class F                                                                                                                                          |
| Operating time                                           | 20 ms                                                                                                                                            |
| Reset time                                               | 20 ms                                                                                                                                            |
| [U <sub>c</sub> ] control circuit voltage                | 48 V AC                                                                                                                                          |
| Safety reliability data                                  | B10d = 100000                                                                                                                                    |
| Colour of cover                                          | Standard                                                                                                                                         |
| Control type                                             | Lockable test button                                                                                                                             |
| Local signalling                                         | Flag                                                                                                                                             |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                     |                       |
|---------------------|-----------------------|
| Product weight      | 0.04 lb(US) (0.02 kg) |
| Device presentation | Complete product      |

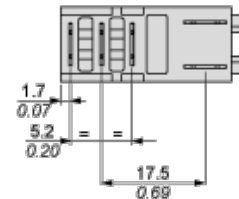
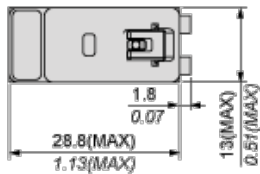
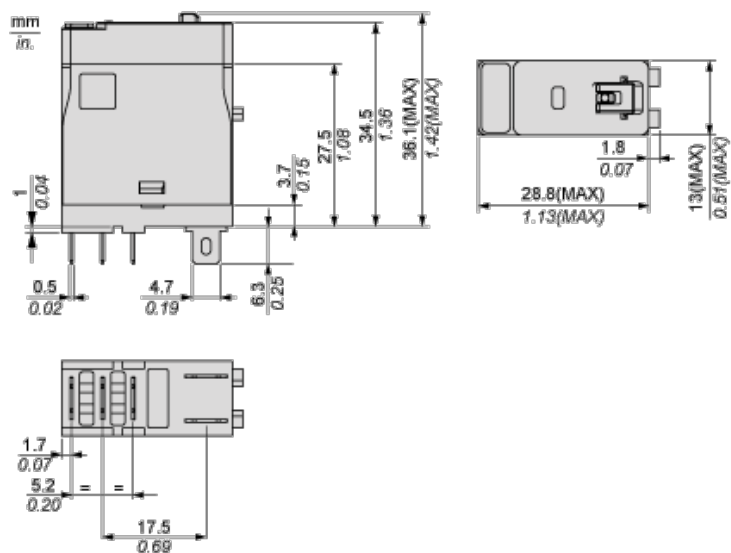
## Environment

|                                       |                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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...185 °F (-40...85 °C)                                                                                                       |
| ambient air temperature for operation | -40...158 °F (-40...70 °C)                                                                                                       |
| relative humidity                     | 10...85 %                                                                                                                        |
| torque value                          | 0.8 N.m                                                                                                                          |

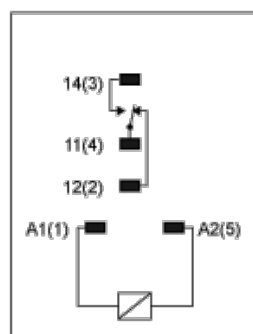
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1426 - Schneider Electric declaration of conformity                                                      | Compliant - since 1426 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Dimensions

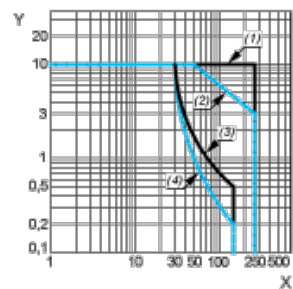


## Wiring Diagram



## Performance Curves

### Maximum Switching Capacity



**X :** Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

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

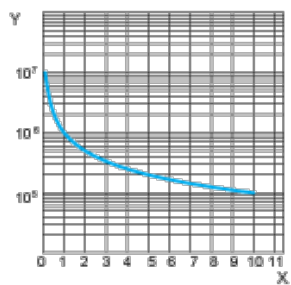
### (3) DC Resistive Load

(4) DC Inductive Load  $T_{0.95}=6P$

## Performance Curves

## Life Expectancy

Resistive Load

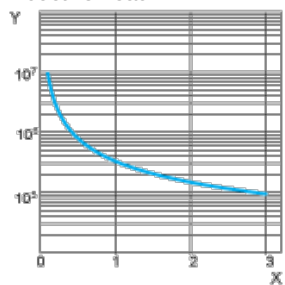


X : Contact Current (A)  
Y : Operating Cycle Number

## Performance Curves

### Life Expectancy

Inductive Load



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

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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