



## 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

|  |  |
|--|--|
| 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 at -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   | <= 1800 cycles/hour under load<br><= 18000 cycles/hour no-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 CSA<br>300 V conforming to UL   |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 KV 1.2/50 µs   |
| Dielectric strength                                      | 1000 V AC between contacts with micro disconnection<br>5000 V AC between coil and contact with reinforced insulation                                     |
| Resistance   | 1100 Ohm +/- 10 %  |
| Insulation resistance                                    | 1000 MOhm at 500 V DC  |
| Test levels  | Level A group mounting   |
| Mounting position  | Any position   |
| Drop-out voltage threshold                               | >= 0.1 U <sub>c</sub> DC   |
| Electrical insulation class                              | Class F  |
| Operating time   | 20 ms  |

|                              |                  |
|------------------------------|------------------|
| Reset time                   | 20 Ms            |
| [Uc] control circuit voltage | 24 V DC          |
| Safety reliability data      | B10d = 100000    |
| Colour of cover              | Transparent      |
| Torque value                 | 0.8 N.M          |
| Net weight                   | 0.018 Kg         |
| Device presentation          | Complete product |

## Environment

|                                       |  |
|---------------------------------------|--|
| Vibration resistance                  | 3 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)in operation<br>5 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)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                             | IEC 61810-1<br>CSA C22.2 No 14<br>UL 508   |
| Product certifications                | EAC<br>CE<br>UL<br>REACH<br>China RoHS<br>RoHS<br>CSA  |
| 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

|                  |           |
|------------------|-----------|
| Package 1 Weight | 20.200 G  |
| Package 1 Height | 35.500 Mm |
| Package 1 width  | 13.000 Mm |
| Package 1 Length | 29.000 Mm |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH free of SVHC         | Yes  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |

Product Life Status : **Commercialised**