

# Product data sheet

## Characteristics

# RXG21E7

utični relej sučelja – Zelio RXG – 2 C/O  
standardni – 48V AC – 5A – s LTB-om



## 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                                               | Without                                                                                                                                                |
| Contacts material                                        | Silver alloy (AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> )                                                                                      |
| Maximum contact resistance                               | 100 mOhm                                                                                                                                               |
| [I <sub>th</sub> ] conventional enclosed thermal current | 5 A -40...55 °C                                                                                                                                        |
| [I <sub>e</sub> ] rated operational current              | 5 A 30 V DC) UL<br>5 A 30 V DC) IEC<br>5 A 250 V AC) IEC<br>5 A 250 V AC) UL                                                                           |
| Maximum switching voltage                                | 250 V AC<br>30 V DC                                                                                                                                    |
| Load current                                             | 5 A 250 V AC                                                                                                                                           |
| Maximum switching capacity                               | 1250 VA                                                                                                                                                |
| Minimum switching capacity                               | 50 mW 10 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 NO resistive at 55 °C<br>100000 cycles NC resistive at 55 °C                                                                             |
| [U <sub>i</sub> ] rated insulation voltage               | 250 V IEC<br>300 V CSA<br>300 V UL                                                                                                                     |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV 1.2/50 µs                                                                                                                                         |
| Dielectric strength                                      | 1000 V AC between contacts micro disconnection<br>5000 V AC between coil and contact reinforced insulation<br>3000 V AC between poles basic insulation |
| Coil resistance                                          | 1100 Ohm +/- 10 %                                                                                                                                      |
| Insulation resistance                                    | 1000 MOhm 500 V DC                                                                                                                                     |
| Test levels                                              | Level A                                                                                                                                                |
| Mounting position                                        | Any position                                                                                                                                           |
| Average consumption in VA                                | 0,82 VA 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                                                                                                                            |
| Coil insulation class                                    | Class F                                                                                                                                                |

|                              |                      |
|------------------------------|----------------------|
| Operate time                 | 20 ms                |
| Release time                 | 20 ms                |
| [Uc] control circuit voltage | 48 V AC              |
| Safety reliability data      | B10d = 100000        |
| Colour of cover              | Standard             |
| Control type                 | Lockable test button |
| Local signalling             | Flag                 |
| Torque value                 | 0,8 N.m              |
| Net weight                   | 0,02 kg              |
| Device presentation          | Complete product     |

## Environment

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

|                            |                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status održive ponude      | Proizvod Green Premium                                                                                                                                                                       |
| Uredba REACH               |  <a href="#">Izjava REACH</a>                                                                             |
| REACH, bez SVHC            | Da                                                                                                                                                                                           |
| Direktiva EU RoHS          | Proaktivna sukladnost (proizvod izvan zakonskog okvira direktive EU RoHS)  <a href="#">Izjava EU RoHS</a> |
| Bez otrovnih teških metala | Da                                                                                                                                                                                           |
| Bez žive                   | Da                                                                                                                                                                                           |
| Informacije o RoHS izuzeću |  <a href="#">Da</a>                                                                                       |
| Propis RoHS za Kinu        |  <a href="#">Izjava RoHS Za Kinu</a>                                                                      |
| Izjava o očuvanju okoliša  |  <a href="#">Ekološki Profil Proizvoda</a>                                                                |
| Profil cirkularnosti       | Nema potrebe za specifičnim operacijama recikliranja                                                                                                                                         |