



### Main

|                               |               |
|-------------------------------|---------------|
| Range of product              | Zelio Relay   |
| Series name                   | Miniature     |
| Product or component type     | Plug-in relay |
| Device short name             | RXM           |
| Utilisation coefficient       | 20 %          |
| Sale per indivisible quantity | 10            |

### Complementary

|  |  |
|--|--|
| Contact operation                            | Standard   |
| [Uc] control circuit voltage                 | 24 V DC  |
| [Ithe] conventional enclosed thermal current | 10 A at -40...55 °C  |
| Status LED                                   | With   |
| [Ui] rated insulation voltage                | 250 V conforming to IEC<br>300 V conforming to UL  |
| [Uimp] rated impulse withstand voltage       | 3.6 KV during 1.2/50 µs conforming to IEC 61810-7  |
| Contacts material                            | Silver alloy (Ag/Ni)   |
| [Ie] rated operational current               | 10 A (AC-1/DC-1) conforming to UL<br>10 A (AC-1/DC-1) NO conforming to IEC<br>5 A (AC-1/DC-1) NC conforming to IEC |
| Minimum switching current                    | 10 mA  |
| Maximum switching voltage                    | 250 V AC<br>125 V DC   |
| Minimum switching voltage                    | 17 V   |
| Load current                                 | 10 A at 250 V AC<br>10 A at 30 V DC  |
| Maximum switching capacity                   | 2500 VA AC<br>300 W DC   |
| Minimum switching capacity                   | 170 mW   |
| Operating rate                               | <= 1200 cycles/hour under load<br><= 18000 cycles/hour no-load   |
| Mechanical durability                        | 10000000 Cycles  |
| Electrical durability                        | 100000 Cycles for resistive load   |
| Average coil consumption                     | 1 W, DC  |
| Drop-out voltage threshold                   | >= 0.1 U <sub>c</sub> DC   |
| Operating time                               | 20 ms  |
| Average resistance                           | 630 Ohm network: DC at 20 °C +/- 10 %  |
| Rated operational voltage limits             | 19.2...26.4 V DC   |

|                         |   |
|-------------------------|---|
| Protection category     | RT I  |
| Test levels             | Level A group mounting  |
| Operating position      | Any position  |
| CAD overall width       | 21 Mm   |
| CAD overall height      | 27 Mm   |
| CAD overall depth       | 55 Mm   |
| Net weight              | 0.037 Kg  |
| Dielectric strength     | 1800 V AC between coil and contact<br>1550 V AC between poles<br>1000 V AC between contacts |
| Safety reliability data | B10d = 100000   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | GOST<br>UL  |
| Standards                             | EN/IEC 61810-1<br>UL 508  |
| Ambient air temperature for storage   | -40...70 °C   |
| Ambient air temperature for operation | -40...55 °C   |
| Vibration resistance                  | 3 gn, amplitude = +/- 1 mm (f = 10...55 Hz) without clip conforming-<br>to EN/IEC 60068-2-6<br>5 gn, amplitude = +/- 1 mm (f = 10...55 Hz) with clip conforming-<br>to EN/IEC 60068-2-6 |
| IP degree of protection               | IP40 conforming to EN/IEC 60529   |
| Shock resistance                      | 10 gn (duration = 11 ms) for opening conforming to EN/IEC 60068-2-27<br>10 gn (duration = 11 ms) for closing conforming to EN/IEC 60068-2-27  |

## 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>  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Product Life Status : **Commercialised**