



### Main

|  |                      |
|--|----------------------|
| Range of product   | Zelio Relay          |
| Series name  | Miniature            |
| Product or component type                                | Plug-in relay        |
| Device short name  | RXM                  |
| Contacts type and composition                            | 4 C/O                |
| Control circuit voltage                                  | 48 V DC              |
| [I <sub>th</sub> ] conventional enclosed thermal current | 3 A at -40...55 °C   |
| Status LED   | Without              |
| Control type   | Lockable test button |
| Utilisation coefficient                                  | 20 %                 |

### Complementary

|   |   |
|---|---|
| Shape of pin  | Flat  |
| [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 | 2.5 kV for 1.2/50 μs  |
| Contacts material                                   | Gold plated bifurcated silver   |
| [I <sub>e</sub> ] rated operational current         | 2 A at 28 V DC (NO) conforming to IEC<br>2 A at 250 V AC (NO) conforming to IEC<br>1 A at 28 V DC (NC) conforming to IEC<br>1 A at 250 V AC (NC) conforming to IEC<br>3 A at 28 V DC conforming to UL<br>3 A at 277 V AC conforming to UL |
| Maximum switching voltage                           | 250 V conforming to IEC   |
| Load current  | 3 A at 250 V AC<br>3 A at 28 V DC   |
| Maximum switching capacity                          | 750 VA/84 W   |
| Minimum switching capacity                          | 15 mW at 3 mA, 5 V  |

|                                  |   |
|----------------------------------|---|
| Operating rate                   | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load                          |
| Mechanical durability            | 10000000 cycles   |
| Electrical durability            | 100000 cycles for resistive load depending on mounting position and working environment |
| Average consumption in W         | 0.9 W   |
| Drop-out voltage threshold       | >= 0.1 U <sub>c</sub>   |
| Operating time                   | 20 ms   |
| Reset time                       | 20 ms   |
| Average resistance               | 2560 Ohm at 20 °C +/- 10 %  |
| Rated operational voltage limits | 38.4...52.8 V DC  |
| Protection category              | RT I  |
| Operating position               | Any position  |
| Product weight                   | 0.037 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Dielectric strength                   | 1300 V AC between contacts with micro disconnection insulation<br>2000 V AC between coil and contact with reinforced insulation<br>2000 V AC between poles with basic insulation |
| Product certifications                | RoHS<br>CE<br>CSA<br>GOST<br>Lloyd's<br>REACH<br>UL  |
| Standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14  |
| Ambient air temperature for storage   | -40...85 °C  |
| Ambient air temperature for operation | -40...55 °C  |
| Vibration resistance                  | 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation)<br>5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)                                  |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| Shock resistance                      | 10 gn in operation<br>30 gn not operating  |
| Pollution degree                      | 2  |

## Contractual warranty

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