



## Main

|  |                                    |
|--|------------------------------------|
| Range of product                             | Zelio Relay                        |
| Series name                                  | Miniature                          |
| Product or component type                    | Plug-in relay                      |
| Device short name                            | RXM                                |
| Contacts type and composition                | 2 C/O                              |
| [Uc] control circuit voltage                 | 120 V AC, 50/60 Hz                 |
| [Ithe] conventional enclosed thermal current | 12 A at -40...131 °F (-40...55 °C) |
| Status LED                                   | Without                            |
| Control type                                 | Lockable test button               |
| Utilisation coefficient                      | 20 %                               |

## Complementary

|  |   |
|--|---|
| Shape of pin                           | Flat  |
| [Ui] rated insulation voltage          | 250 V conforming to IEC<br>300 V conforming to UL<br>300 V conforming to CSA  |
| [Uimp] rated impulse withstand voltage | 4 kV 1.2/50 µs  |
| Contacts material                      | AgNi  |
| [Ie] rated operational current         | 12 A at 28 V DC (NO) conforming to IEC<br>12 A at 250 V AC (NO) conforming to IEC<br>6 A at 28 V DC (NC) conforming to IEC<br>6 A at 250 V AC (NC) conforming to IEC<br>12 A at 28 V DC conforming to UL<br>12 A at 277 V AC conforming to UL |
| Maximum switching voltage              | 250 V conforming to IEC   |
| Load current                           | 12 A at 250 V AC<br>12 A at 28 V DC   |
| Maximum switching capacity             | 3000 VA/336 W   |
| Minimum switching capacity             | 170 mW at 10 mA, 17 V   |
| Operating rate                         | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load  |
| Mechanical durability                  | 10000000 cycles   |
| Electrical durability                  | 100000 cycles resistive load  |
| Average coil consumption in VA         | 1.2 at 60 Hz  |
| Average consumption                    | 1.2 VA 60 Hz  |
| Drop-out voltage threshold             | >= 0.15 Uc  |
| Operating time                         | 20 ms   |
| Reset time                             | 20 ms   |
| Average resistance                     | 3630 Ohm at 20 °C +/- 15 %  |
| Rated operational voltage limits       | 96...132 V AC   |
| Safety reliability data                | B10d = 100000   |
| Protection category                    | RT I  |
| Operating position                     | Any position  |
| Product weight                         | 0.08 lb(US) (0.037 kg)  |
| Device presentation                    | Complete product  |

## 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 |
|---------------------|--|

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|                                       |   |
|---------------------------------------|---|
| product certifications                | CE<br>CSA<br>GOST<br>RoHS<br>UL<br>REACH<br>Lloyd's   |
| standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14   |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)  |
| ambient air temperature for operation | -40...131 °F (-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                      | 3   |