



## Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | Harmony Electromechanical Relays |
| Series name                   | Miniature                        |
| Product or component type     | Plug-in relay                    |
| Device short name             | RXM                              |
| Coil interference suppression | Without                          |
| Utilisation coefficient       | 20 %                             |
| Sale per indivisible quantity | 10                               |

## Complementary

|  |  |
|--|--|
| Contacts type and composition                | 4 C/O  |
| Contact operation                            | Standard   |
| [Uc] control circuit voltage                 | 24 V DC  |
| [Ithe] conventional enclosed thermal current | 3 A at -40...55 °C   |
| Status LED                                   | With   |
| Control type                                 | Without push-button  |
| [Ui] rated insulation voltage                | 250 V conforming to IEC  |
| [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               | 3 A (AC-1/DC-1) NO conforming to IEC<br>1,5 A (AC-1/DC-1) NC conforming to IEC   |
| Minimum switching current                    | 10 mA  |
| Maximum switching voltage                    | 250 V AC<br>250 V DC   |
| Minimum switching voltage                    | 17 V   |
| Load current                                 | 3 A at 250 V AC<br>3 A at 28 V DC  |
| Maximum switching capacity                   | 750 VA AC<br>84 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                     | 0,9 W, DC  |
| Drop-out voltage threshold                   | >= 0.1 U <sub>c</sub> DC   |
| Operating time                               | 20 ms between coil de-energisation and making of the Off-delay contact<br>20 ms between coil energisation and making of the On-delay contact |

|                                  |   |
|----------------------------------|---|
| 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                | 46 Mm   |
| Net weight                       | 0,034 Kg  |
| Dielectric strength              | 2000 V AC between coil and contact<br>2000 V AC between poles<br>1000 V AC between contacts |
| Safety reliability data          | B10d = 100000   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 61810-1 (iss. 2)<br>CE  |
| Ambient air temperature for storage   | -40...85 °C  |
| Ambient air temperature for operation | -40...55 °C  |
| Vibration resistance                  | 3 gn, amplitude = +/- 1 mm (f = 10...50 Hz)operating conforming to EN/IEC 60068-2-6<br>6 gn, amplitude = +/- 1 mm (f = 10...50 Hz)not operating conforming to EN/IEC 60068-2-6 |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| Shock resistance                      | 10 gn for opening conforming to EN/IEC 60068-2-27<br>5 gn for closing conforming to EN/IEC 60068-2-27  |

## Packing Units

|                                  |        |
|----------------------------------|--------|
| Loại đơn vị của Gói hàng 1       | PCE    |
| Số lượng Đơn vị trong Gói hàng 1 | 1      |
| Trọng lượng Gói hàng 1           | 37 G   |
| Chiều cao Gói hàng 1             | 4,1 Cm |
| Chiều rộng Gói hàng 1            | 2,1 Cm |
| Chiều dài Gói hàng 1             | 2,8 Cm |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| 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>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and |

## Contractual warranty

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

Product Life Status : **Commercialised**