

## Product data sheet

### Characteristics

# RXG22E7

Harmony Electromechanical Relays, Interface plug in relay, 5A, 2CO, with LED, lockable test button, 48V AC



### Main

|  |                                  |
|--|----------------------------------|
| Range of product   | Harmony Electromechanical Relays |
| Series name  | Interface relay                  |
| Product or component type                                | Plug-in relay                    |
| Device short name  | RXG                              |
| Contacts type and composition                            | 2 C/O                            |
| [I <sub>th</sub> ] conventional enclosed thermal current | 5 A at -40...55 °C               |
| Local signalling   | Flag                             |

### Complementary

|   |  |
|---|--|
| Status LED                                  | With   |
| [I <sub>e</sub> ] rated operational current | 5 A at 30 V (DC) conforming to UL<br>5 A at 30 V (DC) conforming to IEC<br>5 A at 250 V (AC) conforming to IEC<br>5 A at 250 V (AC) conforming to UL |
| Electrical durability                       | 100000 Cycles for NO resistive load at 55 °C<br>100000 cycles for NC resistive load at 55 °C   |
| Coil resistance                             | 1100 Ohm +/- 10 %  |
| Shock resistance                            | 20 gn in operation<br>100 gn not in operation  |
| Mounting position                           | Any position   |
| Average consumption in VA                   | 0.82 VA 60 Hz  |
| Control circuit voltage limits              | 0.8... 1.1 U <sub>c</sub> AC   |
| [U <sub>c</sub> ] control circuit voltage   | 48 V AC 50/60 Hz   |
| Colour of cover                             | Standard   |
| Drop-out voltage threshold                  | >= 0.3 U <sub>c</sub> AC   |
| Load current                                | 5 A at 250 V AC  |
| Minimum switching capacity                  | 50 mW at 10 mA, 5 V DC   |
| Maximum switching capacity                  | 1250 VA  |
| Control type                                | Lockable test button   |
| Torque value                                | 0.8 N.m  |
| Insulation resistance                       | 1000 MOhm at 500 V DC  |
| Mechanical durability                       | 10000000 cycles  |
| Safety reliability data                     | B10d = 100000  |
| Overvoltage category                        | III  |
| Maximum switching voltage                   | 250 V AC<br>30 V DC  |
| Protection category                         | RT I   |
| Operating rate                              | <= 1800 cycles/hour under load<br><= 18000 cycles/hour no-load   |
| Utilisation coefficient                     | 20 %   |
| Pollution degree                            | 2  |

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|                               |   |
|-------------------------------|---|
| [Ui] rated insulation voltage | 250 V conforming to IEC<br>300 V conforming to CSA<br>300 V conforming to UL  |
| Dielectric strength           | 1000 V AC between contacts with micro disconnection<br>5000 V AC between coil and contact with reinforced insulation<br>3000 V AC between poles with basic insulation |
| Test levels                   | Level A group mounting  |
| Device presentation           | Complete product  |
| Contacts material             | Silver alloy (AgSnO2In2O3)  |
| Net weight                    | 0.02 kg   |






## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | CSA C22.2 No 14<br>IEC 61810-1<br>UL 508   |
| Product certifications                | EAC[RETURN]CE[RETURN]UL[RETURN]CSA[RETURN]DNV-GL   |
| Ambient air temperature for storage   | -40...85 °C  |
| Ambient air temperature for operation | -40...70 °C  |
| IP degree of protection               | IP40   |
| Relative humidity                     | 10...85 %  |
| Vibration resistance                  | 3 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)in operation<br>5 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)not in operation |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 3.45 cm |
| Package 1 Width              | 9.25 cm |
| Package 1 Length             | 8.6 cm  |
| Package 1 Weight             | 220 g   |
| Unit Type of Package 2       | BB1     |
| Number of Units in Package 2 | 10      |
| Package 2 Height             | 3.5 cm  |
| Package 2 Width              | 8.2 cm  |
| Package 2 Length             | 9.1 cm  |
| Package 2 Weight             | 221 g   |
| Unit Type of Package 3       | S01     |
| Number of Units in Package 3 | 200     |
| Package 3 Height             | 15 cm   |
| Package 3 Width              | 15 cm   |
| Package 3 Length             | 40 cm   |
| Package 3 Weight             | 4.92 kg |

## 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  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information |  <a href="#">Yes</a>  |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | No need of specific recycling operations   |