

# Product datasheet

Specifications



interface plug in relay, Harmony  
Electromechanical Relays, 5A, 2CO,  
basic, with LED, without lockable  
test button, 24V DC

RXG26BD

## Main

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Range of product                             | Harmony Electromechanical Relays |
| Series name                                  | RXG series                       |
| Product or component type                    | Plug-in relay                    |
| Relay type                                   | Interface relay                  |
| Contacts type and composition                | 2 C/O                            |
| [Uc] control circuit voltage                 | 24 V DC                          |
| [Ithe] conventional enclosed thermal current | 5 A at -40...55 °C               |

## Complementary

|                               |                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status LED                    | With                                                                                                                                                                                                                                |
| [Ui] rated insulation voltage | 250 V conforming to IEC<br>300 V conforming to CSA<br>300 V conforming to UL                                                                                                                                                        |
| Maximum switching voltage     | 250 V AC<br>30 V DC                                                                                                                                                                                                                 |
| Drop-out voltage threshold    | $\geq 0.1 U_c$ DC                                                                                                                                                                                                                   |
| 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                  | Without lockable test button                                                                                                                                                                                                        |
| Contact resistance            | 100 mOhm                                                                                                                                                                                                                            |
| Insulation resistance         | 1000 MOhm at 500 V DC                                                                                                                                                                                                               |
| Electrical insulation class   | Class F                                                                                                                                                                                                                             |
| Mechanical durability         | 10000000 cycles                                                                                                                                                                                                                     |
| Safety reliability data       | B10d = 100000                                                                                                                                                                                                                       |
| Operating rate                | $\leq 1800$ cycles/hour under load<br>$\leq 18000$ cycles/hour no-load                                                                                                                                                              |
| Utilisation coefficient       | 20 %                                                                                                                                                                                                                                |
| Operating time                | 20 ms                                                                                                                                                                                                                               |
| Reset time                    | 20 ms                                                                                                                                                                                                                               |
| 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<br>1300 V AC between terminals and case with basic insulation |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                      |                            |
|----------------------|----------------------------|
| Overvoltage category | III                        |
| Protection category  | RT I                       |
| pollution degree     | 2                          |
| Test levels          | Level A group mounting     |
| Device presentation  | Complete product           |
| Contacts material    | Silver alloy (AgSnO2In2O3) |
| Shape of pin         | Flat (faston type)         |
| Net weight           | 0.019 kg                   |

## Environment

|                                       |                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 61810-1                                                                                                                    |
| Product certifications                | CE<br>EAC                                                                                                                      |
| 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             | 3.1 cm |
| Package 1 Width              | 1.3 cm |
| Package 1 Length             | 2.9 cm |
| Package 1 Weight             | 19 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             | 9.2 cm |
| Package 2 Weight             | 217 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             | 4.6 kg |

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint  |                                               |
|--------------------------|-----------------------------------------------|
| Environmental Disclosure | <a href="#">Product Environmental Profile</a> |

Use Better

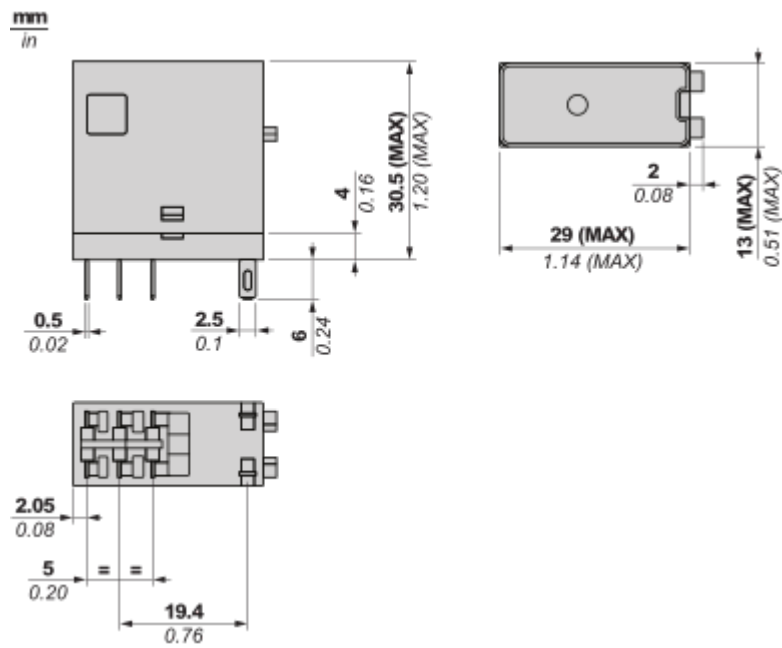
| Materials and Substances               |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                         |
| Packaging without single use plastic   | No                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                          |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | No need of specific recycling operations                                                                                                                                                                        |
| Take-back                | No                                                                                                                                                                                                              |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

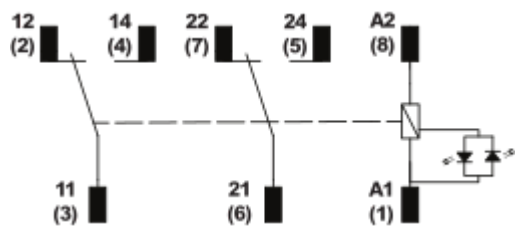
Dimensions



Connections and Schema

Wiring Diagram

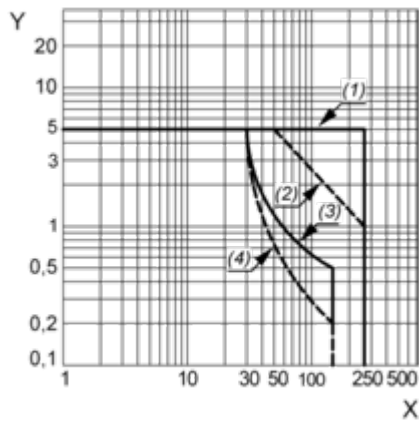
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Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

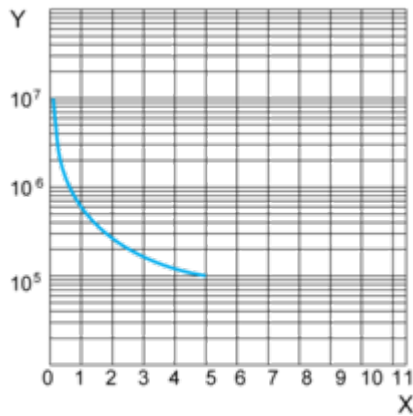
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

(4) DC Inductive Load (L/R=7ms)

Life Expectancy

Resistive Load

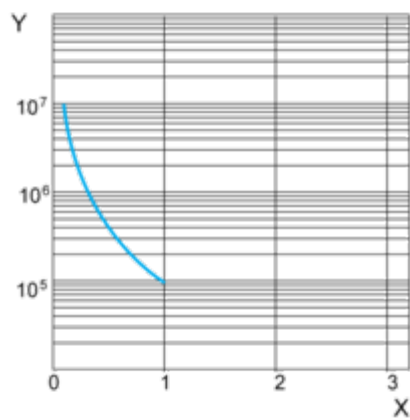


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load

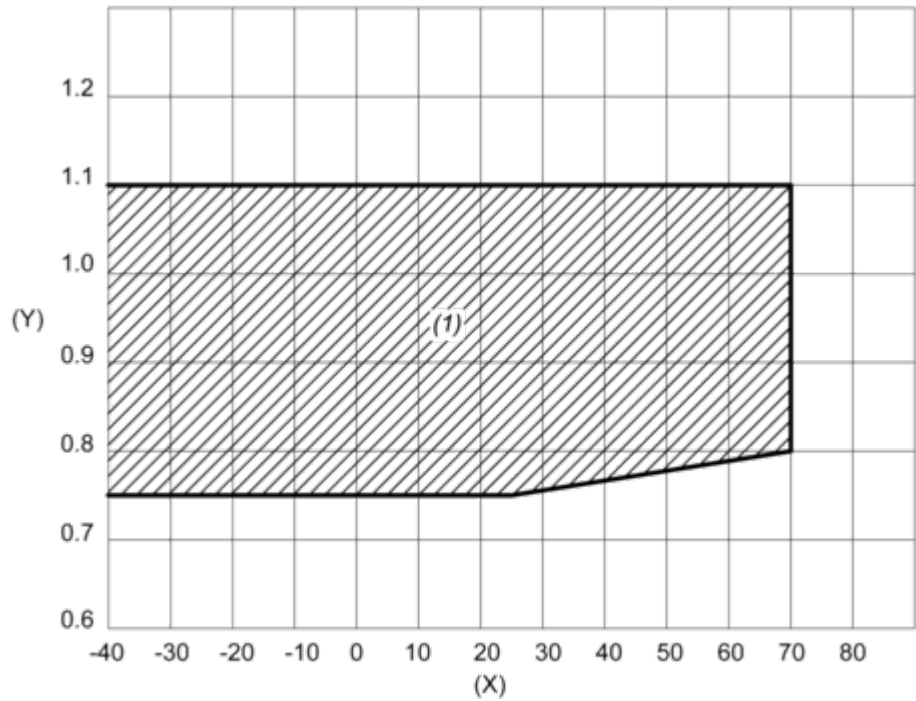


X : Contact Current (A)  
Y : Operating Cycle Number

**NOTE:** These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area