

Product data sheet

Specifications



interface relay, Harmony
Electromechanical Relays, 10A,
1CO, with LED, lockable test button,
110V DC

RXG12FD

Product availability: Non-Stock - Not normally stocked in distribution facility

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 | 1 C/O |
| [Uc] control circuit voltage | 110 V DC |
| [Ithe] conventional enclosed thermal current | 10 A -40...131 °F (-40...55 °C) |
| Local signalling | Flag |

Complementary

| | |
|-------------------------------|--|
| Status LED | With |
| [Ui] rated insulation voltage | 250 V IEC 300 V CSA 300 V UL |
| Removable legend | With |
| Maximum switching voltage | 250 V AC 30 V DC |
| Drop-out voltage threshold | >= 0.1 Uc DC |
| Load current | 10 A 250 V AC |
| Minimum switching capacity | 500 mW at 100 mA, 5 V DC |
| Maximum switching capacity | 2500 VA |
| Control Type | 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 | <= 1800 cycles/hour under load <= 18000 cycles/hour no-load |
| Utilisation coefficient | 20 % |
| Operating time | 20 ms |
| reset time | 20 ms |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|----------------------|--|
| Dielectric strength | 1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation |
| Overvoltage category | III |
| Protection category | RT I |
| Pollution degree | 2 |
| Test levels | Level A group mounting |
| Device presentation | Complete product |
| Contacts material | Silver alloy (AgSnO ₂ In2O ₃) |
| Shape of pin | Flat (faston type) |
| Product Weight | 0.04 lb(US) (0.02 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | CSA C22.2 No 14 IEC 61810-1 UL 508 |
| Product Certifications | CSA CE EAC UL DNV-GL |
| Ambient Air Temperature for Storage | -40...185 °F (-40...85 °C) |
| Ambient Air Temperature for Operation | -40...158 °F (-40...70 °C) |
| IP Degree of Protection | IP40 |
| Relative humidity | 10...85 % |
| Vibration resistance | 3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 Hz)not in operation |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US10CP221127 |
| Discount Schedule | 0CP2 |
| GTIN | 3606480688768 |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 1.61 in (4.100 cm) |
| Package 1 Width | 0.55 in (1.400 cm) |
| Package 1 Length | 1.22 in (3.100 cm) |
| Package weight(Lbs) | 0.705 oz (20.000 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 1.38 in (3.500 cm) |
| Package 2 Width | 3.23 in (8.200 cm) |

| | |
|------------------------------|--------------------------|
| Package 2 Length | 3.58 in (9.100 cm) |
| Package 2 Weight | 7.725 oz (219.000 g) |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 200 |
| Package 3 Height | 5.91 in (15.000 cm) |
| Package 3 Width | 5.91 in (15.000 cm) |
| Package 3 Length | 15.75 in (40.000 cm) |
| Package 3 Weight | 10.069 lb(US) (4.567 kg) |

Contractual warranty

Warranty 18 months



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

Carbon footprint (kg CO2 eq, Total Life cycle)

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Use Better

Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

California proposition 65

WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

Circularity Profile

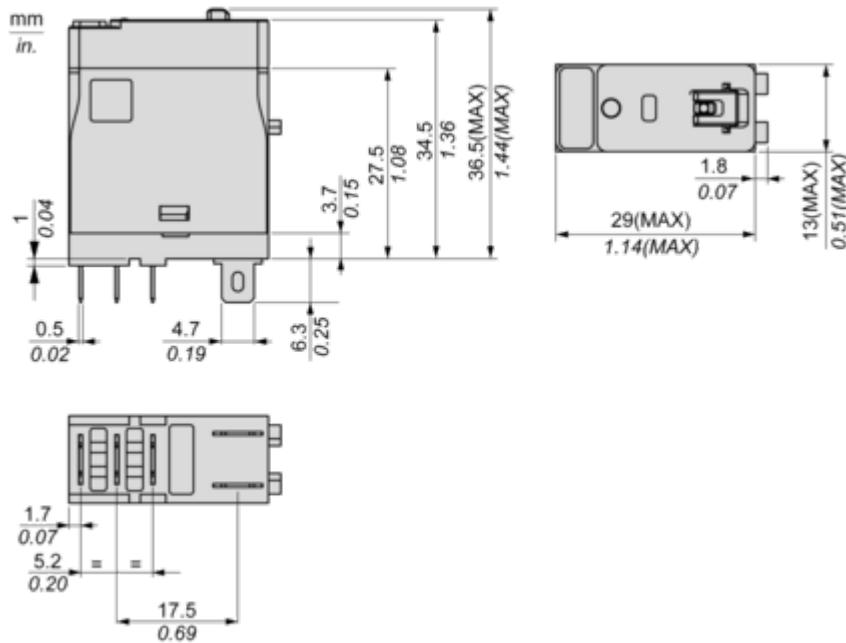
[No need of specific recycling operations](#)

Take-back

No

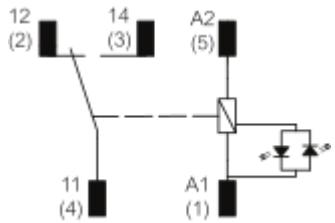
Dimensions Drawings

Dimensions



Connections and Schema

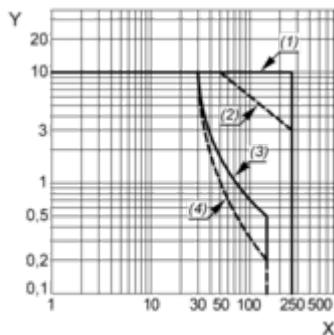
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

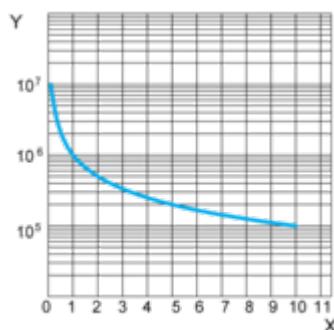
(2) AC Inductive Load $\cos(\Phi)=0.4$

(3) DC Resistive Load

(4) DC Inductive Load ($L/R=7\text{ms}$)

Life Expectancy

Resistive Load

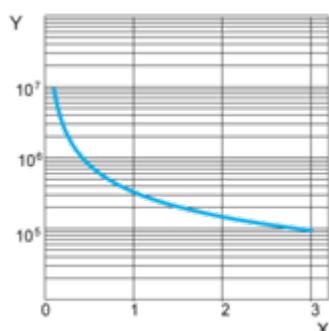


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load

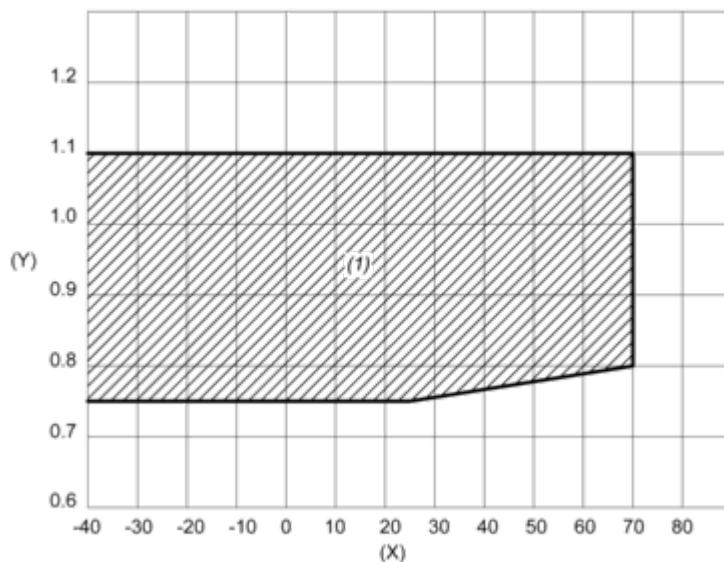


X : Contact Current (A)

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

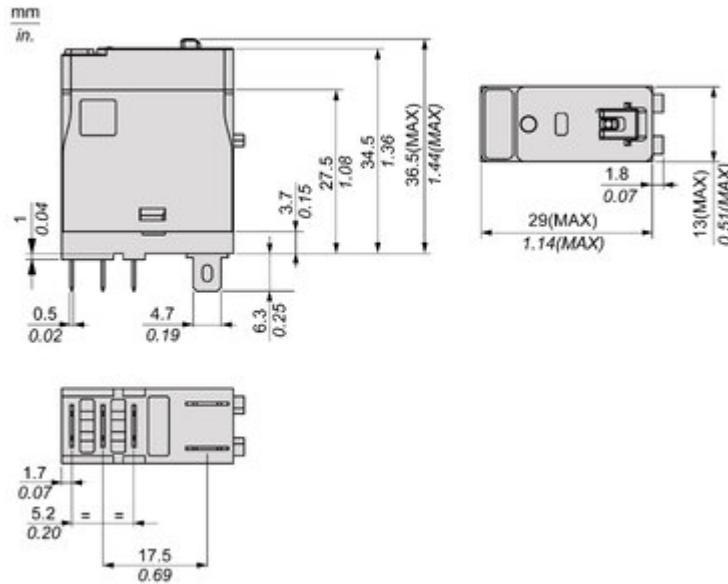
X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

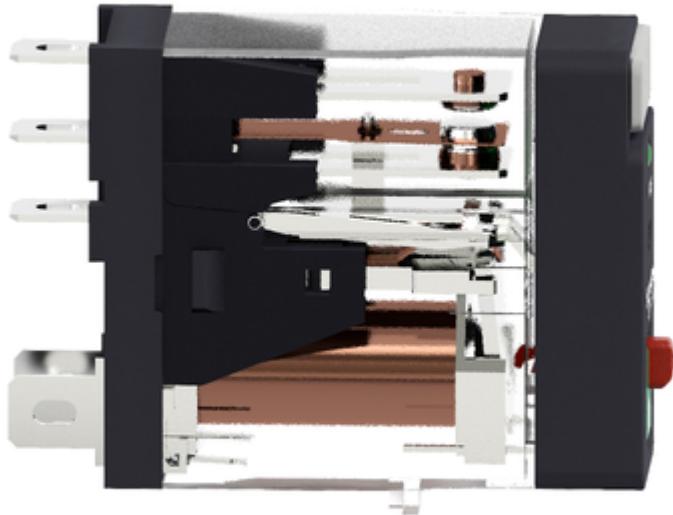
Technical Benefits

Harmony RXG Relay



Image of product / Alternate images

Alternative





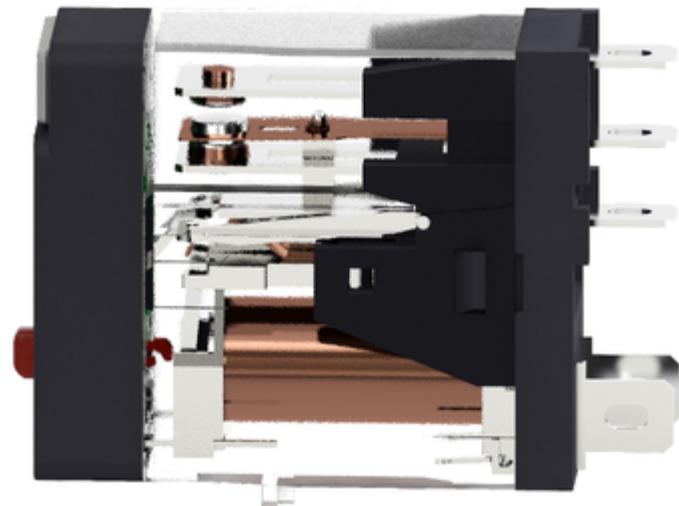


Image of product in real life situation

