Product datasheet

Specifications





Interface plug-in relay, 5 A, 2 CO, clear cover, 110 V DC

RXG25FD

- ! Discontinued on: 01-Nov-2020
- ! End-of-service on: 11-Jul-2022

① Discontinued

Main

| Range Of Product | Harmony Relay |
|---|-----------------|
| Series Name | Interface relay |
| Product Or Component Type | Plug-in relay |
| Device Short Name | RXG |
| Contacts Type And Composition | 2 C/O |
| [Ithe] Conventional Enclosed Thermal Current | 5 A at -4055 °C |

Complementary

| Complementary | | |
|--------------------------------|---|--|
| [le] Rated Operational Current | 5 A at 30 V (DC) conforming to UL 5 A at 30 V (DC) conforming to IEC 5 A at 250 V (AC) conforming to IEC 5 A at 250 V (AC) conforming to UL | |
| Electrical Durability | 100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C | |
| Coil Resistance | 22800 Ohm +/- 15 % | |
| Shock Resistance | 20 gn in operation 100 gn not in operation | |
| Mounting Position | Any position | |
| [Uc] Control Circuit Voltage | 110 V DC | |
| Colour Of Cover | Transparent | |
| Drop-Out Voltage Threshold | >= 0.1 Uc 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 | |
| Torque Value | 0.8 N.m | |
| 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 Time | 20 ms | |
| Reset Time 20 ms | | |

| Overvoltage Category | III | |
|-------------------------------|---|--|
| Maximum Switching Voltage | 250 V AC 30 V DC | |
| Protection Category | RTI | |
| Operating Rate | <= 1800 cycles/hour under load <= 18000 cycles/hour no-load | |
| Pollution Degree 2 | | |
| Utilisation Coefficient | 20 % | |
| [Ui] Rated Insulation Voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL | |
| Dielectric Strength | 1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation 3000 V AC between poles with basic insulation | |
| Test Levels | Level A group mounting | |
| Device Presentation | Complete product | |
| Contacts Material | laterial Silver alloy (AgSnO2In2O3) | |
| Net Weight | 0.018 kg | |

Environment

| - | | |
|-----------------------------|--|--|
| Standards | IEC 61810-1 | |
| | CSA C22.2 No 14 | |
| | UL 508 | |
| | OL 300 | |
| Product Certifications | EAC | |
| | CE | |
| | CSA | |
| | | |
| | UL | |
| Ambient Air Temperature For | -4085 °C | |
| Storage | | |
| Ambient Air Temperature For | -4070 °C | |
| Operation | | |
| Ip Degree Of Protection | IP40 | |
| | | |
| Relative Humidity | 1085 % | |
| | | |
| Vibration Resistance | 3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation | |
| | 5 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)not in operation | |
| | o gri, arripitado - 7 o o min (i - ro 100 m operation | |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-----|
| Number Of Units In Package 1 | |



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

| Ø | Reach Free Of Svhc | |
|----------|----------------------------|-----|
| Ø | Toxic Heavy Metal Free | |
| ⊘ | Mercury Free | |
| ⊘ | Rohs Exemption Information | Yes |

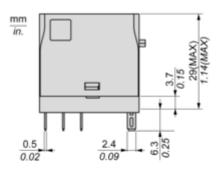
Certifications & Standards

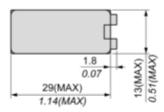
| Reach Regulation | REACh Declaration |
|--------------------------|--|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |

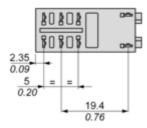
RXG25FD

Dimensions Drawings

Dimensions





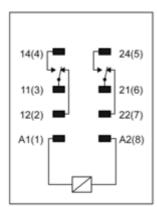


Product datasheet

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Connections and Schema

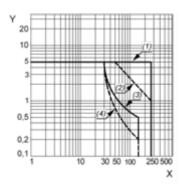
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

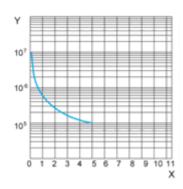
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

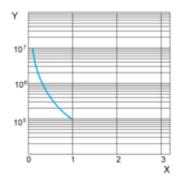


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

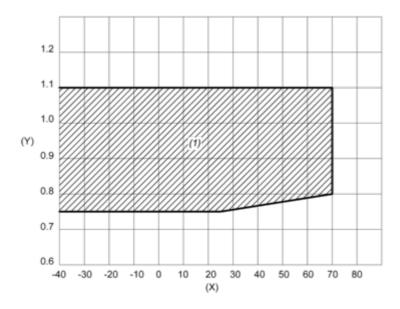
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NOTE: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



 ${\bf X}$: Ambient temperature (°C)

Y: Coil voltage (U/Uc)

(1) Permitted operating range area