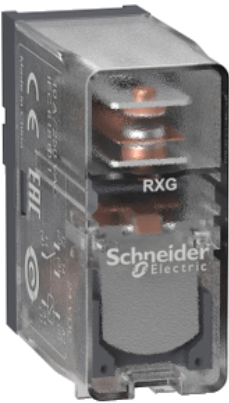


Product data sheet

Specifications



Harmony, Interface plug-in relay, 10 A, 1 CO, clear cover, 48 V DC

RXG15ED

- ❗ Discontinued on: 02 December 2020
- ❗ End-of-service on: 31 December 2020

❗ 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 | 1 C/O |

Complementary

| | |
|--|--|
| Contacts material | Silver alloy (AgSnO2In2O3) |
| Maximum contact resistance | 100 mOhm |
| [Ithe] conventional enclosed thermal current | 10 A -40...131 °F (-40...55 °C) |
| [Ie] rated operational current | 10 A 30 V DC) UL 10 A 30 V DC) IEC 10 A 250 V AC) IEC 10 A 250 V AC) UL |
| Maximum switching voltage | 250 V AC 30 V DC |
| Load current | 10 A 250 V AC |
| Maximum switching capacity | 2500 VA |
| Minimum switching capacity | 500 mW at 100 mA, 5 V DC |
| Operating rate | <= 1800 cycles/hour under load <= 18000 cycles/hour no-load |
| Utilisation coefficient | 20 % |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C |
| [Ui] rated insulation voltage | 250 V IEC 300 V CSA 300 V UL |
| Dielectric strength | 1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation |
| Coil resistance | 4400 Ohm +/- 10 % |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Test levels | Level A group mounting |

| | |
|------------------------------|------------------------|
| Mounting position | Any position |
| Drop-out voltage threshold | >= 0.1 Uc DC |
| Coil insulation class | Class F |
| Operate time | 20 ms |
| Release time | 20 ms |
| [Uc] control circuit voltage | 48 V DC |
| Safety reliability data | B10d = 100000 |
| Colour of cover | Transparent |
| Torque Value | 7.08 lbf.in (0.8 N.m) |
| Net Weight | 0.04 lb(US) (0.018 kg) |
| Device presentation | Complete product |

Environment

| | |
|---------------------------------------|--|
| Vibration resistance | 3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 Hz)not in operation |
| IP Degree of Protection | IP40 |
| Shock resistance | 20 gn in operation 100 gn not in operation |
| Protection category | RT I |
| Standards | UL 508 IEC 61810-1 CSA C22.2 No 14 |
| Product Certifications | CE CSA UL EAC |
| Pollution degree | 2 |
| Overvoltage category | III |
| Ambient Air Temperature for Storage | -40...185 °F (-40...85 °C) |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C) |
| Relative humidity | 10...85 % |

Ordering and shipping details

| | |
|-------------------|-----------------------------|
| Category | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 00785901614029 |
| Returnability | No |
| Country of origin | CN |

Packing Units

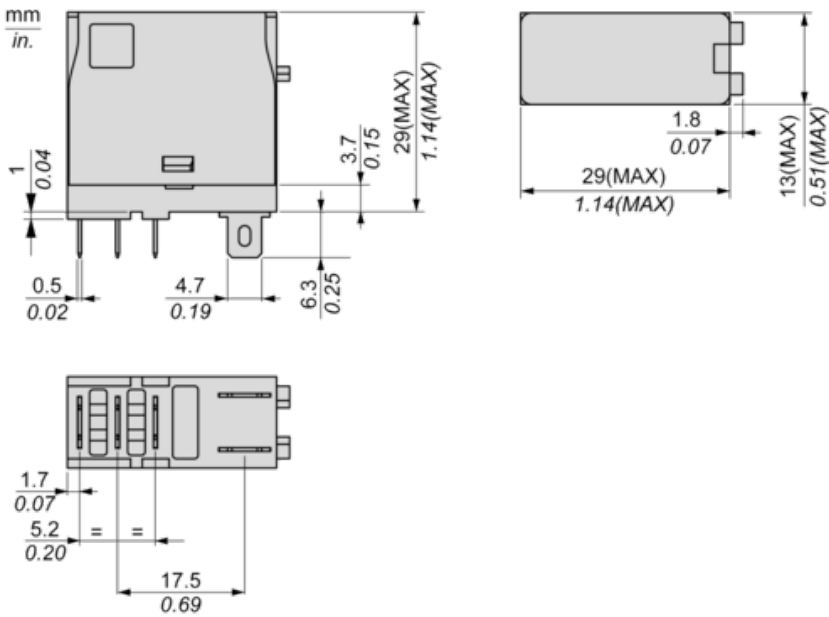
| | |
|------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

Offer Sustainability

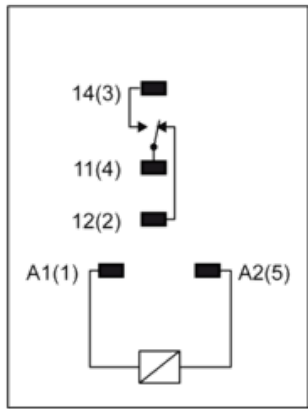
| | |
|---------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the |

| | |
|----------------------------|---|
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |

Dimensions



Wiring Diagram



Performance Curves

Maximum Switching Capacity



- X : Switching voltage (V)
- Y : Switching current (A)
- (1) AC Resistive Load
- (2) AC Inductive Load cos(φ)=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

Recommended replacement(s)

RXG15ED is replaced by the following product range:



Harmony Electromechanical Relays
Slim Interface, Miniature, Power, and Universal Relays
Products: 460