Product data sheet

Specifications





interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, with LED, lockable test but to n, 120V AC

RXG12F7

Product availability: Stock - Normally stocked in distribution facility

Price*: 8.66 USD

Main

Harmony Electromechanical Relays
Interface relay
Plug-in relay
RXG
1 C/O
10 A -40131 °F (-4055 °C)
Flag

Complementary

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Status LED	With
[le] 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
Electrical durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C
Coil resistance	6300 Ohm +/- 10 %
Shock resistance	20 gn in operation 100 gn not in operation
mounting position	Any position
Average consumption in VA	0.82 VA 60 Hz
Control circuit voltage limits	0.81.1 Uc AC
[Uc] control circuit voltage	120 V AC 50/60 Hz
Colour of cover	Standard
Drop-out voltage threshold	>= 0.3 Uc AC
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
Torque Value	7.08 lbf.in (0.8 N.m)
Contact resistance	100 mOhm

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

Insulation resistance1000 MOhm at 500 V DCElectrical Insulation ClassClass FMechanical durability10000000 cyclesSafety reliability dataB10d = 100000Operating time20 msReset time20 msOvervoltage categoryIIIMaximum switching voltage250 V AC 30 V DCProtection categoryRT IOperating rate<= 1800 cycles/hour under load <== 18000 cycles/hour under load Utilisation coefficient		
Mechanical durability1000000 cyclesSafety reliability dataB10d = 100000Operating time20 msReset time20 msOvervoltage categoryIIIMaximum switching voltage250 V AC 30 V DCProtection categoryRT IOperating rate<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	Insulation resistance	1000 MOhm at 500 V DC
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 RT I Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour on-load	Electrical Insulation Class	Class F
Operating time 20 ms Reset time 20 ms Overvoltage category III Maximum switching voltage 250 V AC 30 V DC Protection category RT I Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour no-load Pollution degree 2 Utilisation coefficient 20 % [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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Mechanical durability	1000000 cycles
Reset time 20 ms Overvoltage category III Maximum switching voltage 250 V AC 30 V DC Protection category RT I Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour on-load Pollution degree 2 Utilisation coefficient 20 % [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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2ln2O3)	Safety reliability data	B10d = 100000
Overvoltage category III Maximum switching voltage 250 V AC 30 V DC Protection category RT I Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour no-load Pollution degree 2 Utilisation coefficient 20 % [Ui] rated insulation voltage 250 V IEC 300 V CSA 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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Operating time	20 ms
Maximum switching voltage 250 V AC 30 V DC Protection category RT I Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour no-load	Reset time	20 ms
30 V DC Protection category RT I Operating rate <= 1800 cycles/hour under load	Overvoltage category	III
Operating rate <= 1800 cycles/hour under load <= 18000 cycles/hour no-load	Maximum switching voltage	
<= 18000 cycles/hour no-load	Protection category	RT I
Utilisation coefficient 20 % [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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Operating rate	
[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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Pollution degree	2
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 Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Utilisation coefficient	20 %
5000 V AC between coil and contact with reinforced insulation Test levels Level A group mounting device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	[Ui] rated insulation voltage	300 V CSA
device presentation Complete product Contacts material Silver alloy (AgSnO2In2O3)	Dielectric strength	
Contacts material Silver alloy (AgSnO2In2O3)	Test levels	Level A group mounting
	device presentation	Complete product
Net Weight 0.04 lb(US) (0.02 kg)	Contacts material	Silver alloy (AgSnO2In2O3)
	Net Weight	0.04 lb(US) (0.02 kg)

Environment

Standards	UL 508 IEC 61810-1 CSA C22.2 No 14
Product Certifications	UL EAC CSA CE DNV-GL
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)
IP Degree of Protection	IP40
Relative humidity	1085 %
Vibration resistance	3 gn +/- 0.75 mm 10150 Hz)in operation 5 gn +/- 0.75 mm 10150 Hz)not in operation

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480688683
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.36 in (3.45 cm)
Package 1 Width	3.64 in (9.25 cm)
Package 1 Length	3.4 in (8.6 cm)
Package 1 Weight	7.9 oz (223 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.4 in (3.5 cm)
Package 2 Width	3.2 in (8.2 cm)
Package 2 Length	3.6 in (9.1 cm)
Package 2 Weight	8.1 oz (230 g)
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Height	5.9 in (15 cm)
Package 3 Width	5.9 in (15 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	10.65 lb(US) (4.83 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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

Reach Free Of Svhc
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
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