Product data sheet
Characteristics

RXG13JD
interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, with LED, without lockable test button, 12V DC



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	12 V DC
[Ithe] conventional enclosed thermal current	10 A at -40…55 °C
Local signalling	Flag

Complementary

Status LED	With
Electrical durability	100000 Cycles for NO resistive load at 55 °C 100000 Cycles for NC resistive load at 55 °C
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
Presentation of legend	With
Maximum switching voltage	250 V AC 30 V DC
Drop-out voltage threshold	>= 0.1 Uc DC
[Ie] rated operational current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to UL 10 A at 250 V (AC) conforming to IEC
Load current	10 A at 250 V AC
Minimum switching capacity	500 mW at 100 mA, 5 V DC
Maximum switching capacity	2500 VA
Control type	Without lockable test button
Average resistance	270 Ohm at 23 °C +/- 10 %
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
Dielectric strength	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation 1300 V AC terminals and case with basic insulation
[Uimp] rated impulse withstand voltage	1200 V AC between contacts with micro disconnection 6000 V between coil and contact with reinforced insulation 1500 V between terminals and case with basic 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 (AgSnO2In2O3)
Shape of pin	Flat (faston type)
Net weight	0.02 Kg

Environment

Standards	CSA C22.2 No 14 UL 508 IEC 61810-1
Product certifications	CSA[RETURN]CE[RETURN]EAC[RETURN]UL[RETURN]DNV
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 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	4.100 Cm
Package 1 Width	1.400 Cm
Package 1 Length	3.100 Cm
Package 1 Weight	20.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.500 Cm
Package 2 Width	8.400 Cm
Package 2 Length	9.100 Cm
Package 2 Weight	222.000 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	4.684 Kg

Offer Sustainability

Recyclability potential, in %	70
Total lifecycle Carbon footprint	8 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.1841355813711413
Carbon footprint of the manufacturing phase [A1 to A3]	0.2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.06551564855924241
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0007132401944399417
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.

Carbon footprint of the use phase [B2, B3, B4, B6]	7.398952424249777
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	7 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.06466599441775461
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	8
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is k
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised