

Product Datasheet

Characteristic

RXG23B7

interface plug in relay, Harmony
Electromechanical Relays, 5A, 2CO,
with LED, 24V AC



Main

Range of product	Harmony Electromechanical Relays
Series name	Interface relay
product or component type	Plug-in relay
Device short name	RXG
Contacts type and composition	2 C/O
[the] conventional enclosed thermal current	5 A at -40...55 °C
local signalling	Flag

Complementary

Status LED	With
[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
Resistance	260 Ohm +/- 10 %
Shock resistance	20 gn in operation 100 gn not in operation
Mounting position	Any position
Average consumption	0.82 VA 60 Hz
Control circuit voltage limits	0.8...1.1 U _c AC
[U _c] control circuit voltage	24 V AC 50/60 Hz
Colour of cover	Standard
Drop-out voltage threshold	>= 0.3 U _c AC
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
Maximum switching voltage	250 V AC 30 V DC
Overvoltage category	III
Operating rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
Protection category	RT I
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
Test levels	Level A group mounting
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
device presentation	Complete product
Contacts material	Silver alloy (AgSnO2In2O3)
net weight	0.02 kg

Environment

Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	UL CSA EAC CE DNV-GL
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	3.45 cm
Package 1 Width	9.25 cm
Package 1 Length	8.6 cm
Package 1 Weight	221 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.5 cm
Package 2 Width	8.3 cm
Package 2 Length	9.1 cm
Package 2 Weight	221 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	4.85 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Free of Substances of Very High Concern above the threshold
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	X
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1406006EN
Circularity Profile	N/A