

Product Datasheet

Characteristic

RXM4AB2BDPVS

miniature, Harmony Electromechanical Relays, 6A, 4CO, with LED, with lockable test button, separate terminals socket, 24V DC



Main

Range of product	Harmony Electromechanical Relays
Series name	Miniature
product or component type	Pre-assembled plug-in relay with socket
Device short name	RXM
Contacts type and composition	4 C/O
[Uc] control circuit voltage	24 V DC
Status LED	With
Control type	Lockable test button
Utilisation coefficient	20 %

Complementary

[Ui] rated insulation voltage	250 V conforming to IEC
[Uimp] rated impulse withstand voltage	2.5 kV during 1.2/50 µs
Contacts material	AgNi
[Ie] rated operational current	3 A at 28 V (DC) NC conforming to IEC 3 A at 250 V (AC) NC conforming to IEC 6 A at 28 V (DC) NO conforming to IEC 6 A at 250 V (AC) NO conforming to IEC 6 A at 277 V (AC) conforming to UL 8 A at 30 V (DC) conforming to UL
Minimum switching current	10 mA
Continuous output current	5 A
Maximum switching voltage	250 V
Minimum switching voltage	17 V
Load current	6 A at 250 V AC 6 A at 28 V DC
Maximum switching capacity	1500 VA/168 W AC/DC
Minimum switching capacity	170 mW at 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load

Average coil consumption	0.9 W, DC
Drop-out voltage threshold	$\geq 0.1 U_c$ DC
Operating time	20 ms
Reset time	20 ms
Average resistance	650 Ohm at 20 °C +/- 10 %
Rated operational voltage limits	19.2...26.4 V DC
Safety reliability data	B10d = 100000
Protection category	RT I
Test levels	Level A group mounting
Operating position	Any position
Sale per indivisible quantity	30
CAD overall width	26.9 mm
CAD overall height	82.8 mm
CAD overall depth	80.35 mm
Connections - terminals	Connector, 1 x 0.25...1 x 2.5 mm ² (AWG 22...AWG 14) flexible with cable end Connector, 2 x 0.25...2 x 1 mm ² (AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm ² (AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm ² (AWG 20...AWG 16) solid without cable end
Torque value	1 N.m
net weight	0.105 kg
device presentation	Complete product

Environment

Dielectric strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation
Product certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme
Standards	UL 508 IEC 61810-1 CSA C22.2 No 14 IEC 61984
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating
IP degree of protection	IP20 conforming to IEC 60529
Shock resistance	10 gn for in operation 30 gn for not operating
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	2.8 cm
Package 1 Length	8.5 cm
Package 1 Weight	102 g
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	10 cm
Package 2 Width	26 cm
Package 2 Length	29.5 cm

Package 2 Weight	3.408 kg
Unit Type of Package 3	S03
Number of Units in Package 3	270
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	33.949 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	ENVPEP2106019EN
Circularity Profile	ENVEOLI2106019EN
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins