Product data sheet
Characteristics

RXM4AB1B7PVM
miniature pre assembled plug in relay with socket, Harmony Electromechanical Relays, 6A, 4CO, lockable test button, mixed terminal, 24V AC



Main

Range of product	Harmony Electromechanical Relays
Series name	RXM series
Product or component type	Pre-assembled plug-in relay with socket
Relay type	Miniature relay
Contacts type and composition	4 C/O
Status LED	Without
Control type	Lockable test button
[Uc] control circuit voltage	24 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	6 A
Continuous output current	5 A

Complementary

[Uimp] rated impulse withstand voltage	2.5 KV during 1.2/50 µs
[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
Minimum switching voltage	17 V
Minimum switching capacity	170 mW at 10 mA, 17 V
Electrical durability	100000 Cycles for resistive load
Rated operational voltage limits	19.2...26.4 V AC
[Ui] rated insulation voltage	250 V conforming to IEC
Maximum switching voltage	250 V
Drop-out voltage threshold	>= 0.3 Uc AC
Load current	6 A at 250 V AC 6 A at 28 V DC
Operating time	20 ms
Maximum switching capacity	1500 VA/168 W AC/DC
Average resistance	180 Ohm at 20 °C +/- 10 %
Average coil consumption	1.2 W, AC
Mechanical durability	10000000 Cycles
Safety reliability data	B10d = 100000
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load

Utilisation coefficient	20 %
CAD overall width	26.9 Mm
CAD overall height	79 Mm
CAD overall depth	78.45 Mm
Torque value	1 N.M
Reset time	20 Ms
Contact terminal arrangement	Mixed
Connections - terminals	Connector, 1 x 0.25...1 x 2.5 mm² (22 AWG...14 AWG) flexible with cable end Connector, 2 x 0.25...2 x 1 mm² (22 AWG...17 AWG) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm² (20 AWG...14 AWG) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm² (20 AWG...16 AWG) solid without cable end
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
Compatibility code	RXM
Protection category	RT I
Pollution degree	2
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Sale per indivisible quantity	30
Contacts material	AgNi
Shape of pin	Flat (faston type)
Net weight	0.096 Kg

Environment

Ambient air temperature for operation	-40…55 °C
IP degree of protection	IP20 conforming to IEC 60529
Standards	UL 508 IEC 61810-1 CSA C22.2 No 14 IEC 61984
Product certifications	UL[RETURN]Lloyd's[RETURN]CE[RETURN]CSA[RETURN]GOST[RETURN]IECEE CB Scheme
Ambient air temperature for storage	-40…85 °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
Shock resistance	10 gn for in operation 30 gn for not operating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.800 Cm
Package 1 Width	8.000 Cm
Package 1 Length	8.000 Cm
Package 1 Weight	95.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	10.000 Cm
Package 2 Width	25.500 Cm
Package 2 Length	30.000 Cm
Package 2 Weight	3.183 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	7.134 Kg

Offer Sustainability

Recyclability potential, in %	55
Total lifecycle Carbon footprint	18 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.7516238156348493
Carbon footprint of the manufacturing phase [A1 to A3]	0.8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.012257152901725351
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0005809424768535591
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	17.589535714285716
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	18 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]	0.012426946734913633
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	18
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