Product data sheet
Characteristics

RXM2LB2BD
miniature plug in relay, Harmony Electromechanical Relays, 5A, 2CO, with LED, without lockable test button, flat (faston type), 24V DC



Main

Range of product	Harmony Electromechanical Relays
Series name	RXM series
Product or component type	Plug-in relay
Relay type	Miniature relay
Contacts type and composition	2 C/O
[Uc] control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	5 A at -40…55 °C

Complementary

Status LED	With
Control type	Without lockable test button
[Ie] rated operational current	2.5 A at 28 V (DC) NC conforming to IEC 2.5 A at 250 V (AC) NC conforming to IEC 5 A at 28 V (DC) NO conforming to IEC 5 A at 250 V (AC) NO conforming to IEC 5 A at 24 V (DC) NO conforming to IEC 5 A at 220 V (AC) NO conforming to IEC 5 A at 28 V (DC) conforming to UL 5 A at 250 V (AC) conforming to UL
Minimum switching capacity	25 mW subject to switching frequency, environment or expected reliability level etc
Rated operational voltage limits	19.2...26.4 V DC
[Ui] rated insulation voltage	250 V conforming to IEC
Maximum switching voltage	250 V AC 28 V DC
Drop-out voltage threshold	>= 0.1 Uc DC
Load current	5 A at 250 V AC 5 A at 28 V DC
Maximum switching capacity	1250 VA AC 140 W DC
Minimum switching current	5 MA subject to switching frequency, environment or expected reliability level etc
Minimum switching voltage	5 V subject to switching frequency, environment or expected reliability level etc
Average resistance	640 Ohm at 23 °C +/- 10 %
Average coil consumption	0.9 W, DC
Mechanical durability	20000000 Cycles
Electrical durability	200000 Cycles resistive load 23 °C 100000 Cycles resistive load at 55 °C
Safety reliability data	B10d = 100000

Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
Dielectric strength	2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation 1000 V AC between contacts with micro disconnection
Protection category	RT I
Pollution degree	3
Operating position	Any position
Test levels	Level A group mounting
Sale per indivisible quantity	10
Contacts material	Silver alloy (Ag/Ni)
Shape of pin	Flat (faston type)
Net weight	0.032 Kg

Environment

Standards	IEC 61810-1 (iss. 2) CE UL 508
Ambient air temperature for storage	-40…85 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10…50 Hz)operating conforming to IEC 60068-2-6 6 gn, amplitude = +/- 1 mm (f = 10…50 Hz)not operating conforming to IEC 60068-2-6
Shock resistance	30 gn for not operating conforming to IEC 60068-2-27 10 gn for in operation conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 Cm
Package 1 Width	2.500 Cm
Package 1 Length	4.500 Cm
Package 1 Weight	33.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.000 Cm
Package 2 Width	10.500 Cm
Package 2 Length	12.500 Cm
Package 2 Weight	363.000 G
Unit Type of Package 3	S02
Number of Units in Package 3	270
Package 3 Height	15 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	10.065 Kg

Offer Sustainability

Recyclability potential, in %	55
Total lifecycle Carbon footprint	13 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.2706860806
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0042576901
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.000218919
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	12.5043402857
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	13 kg CO2 eq.

Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0047290214
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	13
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
End of life manual availability	End Of Life Information
WEEE Label	The product must be disposed on European Union markets following specific waste collection a