Product data sheet
Characteristics

RXM2LB1F7
miniature plug in relay, Harmony Electromechanical Relays, 5A, 2CO, without LED, without lockable test button, flat (faston type), 120V AC



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	120 V AC
[Ithe] conventional enclosed thermal current	5 A at -40…55 °C

Complementary

Status LED	Without
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	96...132 V AC
[Ui] rated insulation voltage	250 V conforming to IEC
Maximum switching voltage	250 V AC 28 V DC
Drop-out voltage threshold	>= 0.15 Uc AC
Load current	5 A at 250 V AC 5 A at 28 V DC
Maximum switching capacity	1250 VA AC 140 W DC
Compatibility code	RXM
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	4430 Ohm at 23 °C +/- 10 %
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	0.031 Kg

Environment

Standards	CE IEC 61810-1 (iss. 2) 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	32.000 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	348.000 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	9.649 Kg

Offer Sustainability

Recyclability potential, in %	55
Total lifecycle Carbon footprint	20 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.3034965146
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0047737738
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0002454547
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	19.6909486281
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	20 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]	0.0053022362
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	20
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
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised