Product data sheet
Characteristics

RXM2LB1P7
miniature plug in relay, Harmony Electromechanical Relays, 5A, 2CO, without LED, without lockable test button, flat (faston type), 230V 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	230 V AC 50/60 Hz
[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	184...253 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
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	16500 Ohm at 23 °C +/- 15 %
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)

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	2.1 Cm
Package 1 Width	2.7 Cm
Package 1 Length	4.6 Cm
Package 1 Weight	31.0 G
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3 Cm
Package 2 Width	11.5 Cm
Package 2 Length	10 Cm
Package 2 Weight	390 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	10.985 Kg

Offer Sustainability

Recyclability potential, in %	55
Total lifecycle Carbon footprint	20 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.2542808636
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0039996483
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0002056512
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	19.4900142857
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	19 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0044424141

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
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