

Product data sheet

Specifications



Plug in relay, Harmony Relay, miniature, RXM, 4 C/O, 120 V AC

RXM4SOC120A

⚠ Discontinued on: Jun 30, 2023

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Main

Range of product	Harmony Relay
Series name	Miniature
Product or component type	Plug-in relay
Device short name	RXM
[Uc] control circuit voltage	120 V AC 50/60 Hz
Contacts type and composition	4 C/O
status LED	With
Control type	Lockable test button
[Ithe] conventional enclosed thermal current	6 A -40...131 °F (-40...55 °C)

Complementary

[Uimp] rated impulse withstand voltage	2.5 kV 1.2/50 µs
[Ie] rated operational current	3 A 28 V DC) NC IEC 3 A 250 V AC) NC IEC 6 A 28 V DC) NO IEC 6 A 250 V AC) NO IEC 6 A 277 V AC) UL 8 A 30 V DC) UL
Minimum switching capacity	170 mW 10 mA, 17 V
Electrical durability	100000 cycles resistive
Average coil consumption in VA	1.2 60 Hz
Rated operational voltage limits	96...132 V AC
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Average consumption	1.2 VA 60 Hz
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	>= 0.15 Uc
Load current	10 A 250 V AC 10 A 28 V DC
Operating time	20 ms
Maximum switching capacity	1500 VA/168 W
Average resistance	3630 Ohm 20 °C +/- 15 %
Mechanical durability	10000000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Safety reliability data	B10d = 100000
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
Reset time	20 ms
Dielectric strength	1300 V AC between contacts micro disconnection 2000 V AC between coil and contact 2000 V AC between poles
Compatibility code	RXM
Protection category	RT I
Pollution degree	2
Operating position	Any position
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat
Net weight	0.082 lb(US) (0.037 kg)

Environment

Ambient air temperature for operation	-40...131 °F (-40...55 °C)
IP degree of protection	IP40 conforming to EN/IEC 60529
Standards	UL 508 CSA C22.2 No 14 EN/IEC 61810-1
Product certifications	UL GOST CSA CE Lloyd's
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	3 gn +/- 1 mm 10...55 Hz)5 cycles in operation 5 gn +/- 1 mm 10...55 Hz)5 cycles not operating
Shock resistance	10 gnin operation 30 gnnot operating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.400 in (3.556 cm)
Package 1 Width	5.400 in (13.716 cm)
Package 1 Length	7.600 in (19.304 cm)
Package 1 Weight	4.960 oz (140.615 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

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[How we assess product sustainability](#) >

Use Better

Materials and Substances	
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No