

# Product datasheet

Specifications



## miniature plug-in relay - 4CO 5A, LED, 120VAC

RXM4NB3F7

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

### 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	Without lockable test button
[Ithe] conventional enclosed thermal current	3 A at -40...55 °C

### Complementary

[Uimp] rated impulse withstand voltage	2.5 kV during 1.2/50 µs
[Ie] rated operational current	2 A at 28 V (DC) NO conforming to IEC 2 A at 250 V (AC) NO conforming to IEC 1 A at 28 V (DC) NC conforming to IEC 1 A at 250 V (AC) NC conforming to IEC 3 A at 28 V (DC) conforming to UL 3 A at 277 V (AC) conforming to UL
Minimum switching capacity	15 mW at 3 mA, 5 V
Electrical durability	100000 cycles for resistive load depending on mounting position and working environment
Rated operational voltage limits	96...132 V AC
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
Average consumption	1.2 VA at 60 Hz
Maximum switching voltage	250 V conforming to IEC
Drop-out voltage threshold	$\geq 0.15 U_c$
Load current	3 A at 250 V AC 3 A at 28 V DC
Operating time	20 ms
Maximum switching capacity	750 VA/84 W
Average resistance	3630 Ohm at 20 °C +/- 15 %
Mechanical durability	10000000 cycles

<b>Operating rate</b>	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
<b>Utilisation coefficient</b>	20 %
<b>reset time</b>	20 ms
<b>Dielectric strength</b>	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact 2000 V AC between poles
<b>Compatibility code</b>	RXM
<b>Protection category</b>	RT I
<b>Pollution degree</b>	2
<b>Operating position</b>	Any position
<b>Test levels</b>	Level A group mounting
<b>Device presentation</b>	Complete product
<b>Contacts material</b>	Gold plated bifurcated silver
<b>Shape of pin</b>	Flat
<b>Net weight</b>	0.037 kg

## Environment

<b>Ambient air temperature for operation</b>	-40...55 °C
<b>IP degree of protection</b>	IP40 conforming to EN/IEC 60529
<b>Standards</b>	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
<b>Product certifications</b>	CE GOST UL Lloyd's CSA
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Vibration resistance</b>	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
<b>Shock resistance</b>	10 gn for in operation 30 gn for not operating



## 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.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

EU RoHS Directive

[Compliant](#)

### Use Longer



#### Lifetime extension

Repair

No