

# RXM2AB2F7

miniature plug in relay, Harmony  
Electromechanical Relays, 12A, 2CO, with  
LED, lockable test but to n, 120V AC



## Galvenā

|                                |                                  |
|--------------------------------|----------------------------------|
| Produkta sērija                | Harmony Electromechanical Relays |
| Series name                    | Miniature                        |
| Produkta vai sastāvdaļas veids | Plug-in relay                    |
| Ieīces īsais nosaukums         | RXM                              |
| Kontaktlīgšanas tips           | 2 C/O                            |
| [Uc] control circuit voltage   | 120 V AC 50/60 Hz                |
| Statusa gaismas diode          | With                             |
| Vadības veids                  | Lockable test button             |
| Utilisation coefficient        | 20 %                             |

## Papildinošs

|  |   |
|--|---|
| Shape of pin                           | Flat  |
| [Ui] rated insulation voltage          | 250 V IEC<br>300 V CSA<br>300 V UL  |
| [Uimp] rated impulse withstand voltage | 4 kV 1.2/50 μs  |
| Kontaktlīgšanas materiāls              | AgNi  |
| [Ie] rated operational current         | 12 A 28 V DC) NĒ IEC<br>12 A 250 V AC) NĒ IEC<br>6 A 28 V DC) NC IEC<br>6 A 250 V AC) NC IEC<br>12 A 28 V DC) UL<br>12 A 277 V AC) UL |
| Continuous output current              | 10 A  |
| Maximum switching voltage              | 250 V IEC   |
| Resistive rated load                   | 12 A at 250 V AC<br>12 A at 28 V DC   |
| Maximum switching capacity             | 3000 VA/336 W   |
| Minimum switching capacity             | 170 mW 10 mA, 17 V  |
| Operating rate                         | <= 1200 cycles/hour under load<br><= 18000 cycles/hour no-load  |
| Mehāniskā izturība                     | 10000000 cikli  |
| Electrical durability                  | 100000 cikli pretestības  |
| Average coil consumption in VA         | 1,2 60 Hz   |
| Average consumption                    | 1,2 VA 60 Hz  |
| Drop-out voltage threshold             | >= 0.15 Uc  |
| Operate time                           | 20 ms   |
| Release time                           | 20 ms   |
| Average coil resistance                | 4430 Ohm 20 °C +/- 15 %   |
| Rated operational voltage limits       | 96...132 V AC   |
| Safety reliability data                | B10d = 100000   |
| Protection category                    | RT I  |
| Test levels                            | Level A group mounting  |
| Operating position                     | Any position  |
| CAD overall height                     | 79 mm   |
| CAD overall depth                      | 78,45 mm  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                       |                        |
|-----------------------|------------------------|
| Neto svars            | 0,037 kg               |
| Ierīces komplektācija | Nokomplektēts produkts |

## Vide

|  |   |
|--|---|
| Dielectric strength                      | 1300 V AC between contacts micro disconnection<br>2000 V AC between coil and contact basic insulation<br>2000 V AC between poles basic insulation |
| Produkta sertifikācija                   | UL[RETURN]Lloyd's[RETURN]CE[RETURN]CSA[RETURN]GOST[RETURN]IECEE<br>CB Scheme  |
| Standarti                                | CSA C22.2 No 14<br>IEC 61810-1<br>UL 508  |
| Apkārtējā gaisa temperatūra uzglabāšanai | -40...85 °C   |
| Ambient air temperature for operation    | -40...55 °C   |
| Vibration resistance                     | 3 gn +/- 1 mm 10...150 Hz)5 cycles in operation<br>5 gn +/- 1 mm 10...150 Hz)5 cycles not operating   |
| IP aizsardzības pakāpe                   | IP40 atbilst IEC&nbsp;60529   |
| Shock resistance                         | 10 gnin operation<br>30 gnnot operating   |
| Piesārņojuma pakāpe                      | 3   |

## Iepakojšanas vienības

|                                |           |
|--------------------------------|-----------|
| Pirmā iepakojuma vienības tips | PCE       |
| Vienību skaits 1. iepakojumā   | 1         |
| 1. iepakojuma augstums         | 2,100 cm  |
| 1. iepakojuma platums          | 2,700 cm  |
| 1. iepakojuma garums           | 4,600 cm  |
| 1. iepakojuma svars            | 37,000 g  |
| Otrā iepakojuma vienības tips  | BB1       |
| Vienību skaits 2. iepakojumā   | 10        |
| 2. iepakojuma augstums         | 3,000 cm  |
| 2. iepakojuma platums          | 10,200 cm |
| 2. iepakojuma garums           | 12,500 cm |
| 2. iepakojuma svars            | 388,000 g |
| Trešā iepakojuma vienības tips | S02       |
| Vienību skaits 3. iepakojumā   | 240       |
| 3. iepakojuma augstums         | 15,000 cm |
| 3. iepakojuma platums          | 30,000 cm |
| 3. iepakojuma garums           | 40,000 cm |
| 3. iepakojuma svars            | 9,809 kg  |

## Piedāvājiem ilgtspēju

|                                  |  |
|----------------------------------|--|
| Ilgspējīgs piedāvājuma statuss   | Green Premium izstrādājums   |
| REACH regula                     | <a href="#">REACH Deklarācija</a>  |
| Nesatur REACH SVHC               | Jā   |
| ES RoHS direktīva                | Proaktīva atbilstība (uz izstrādājumu neattiecas ES RoHS juridiskās saistības) <a href="#">ES RoHS deklarācija</a>   |
| Nesatur toksiskus smagos metālus | Jā   |
| Nesatur dzīvsudrabu              | Jā   |
| Ķīnas RoHS regula                | <a href="#">Ķīnas RoHS Deklarācija</a>   |
| Informācija par RoHS izņēmumiem  | <a href="#">Jā</a>   |
| Vides informācijas publicēšana   | <a href="#">Produkta Ietekme Uz Vidi</a>   |
| Cirkularitātes profils           | <a href="#">Informācija Par Eksploatācijas Izbeigšanu</a>  |
| WEEE                             | Eiropas Savienības tirgū no šī produkta ir jāatbrīvojas, ievērojot noteiktu atkritumu savākšanas kārtību, un produkts nedrīkst nonākt sadzīves atkritumu tvertnēs. |

## Līguma garantija

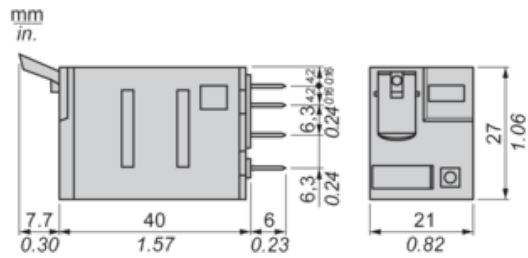
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Garantija

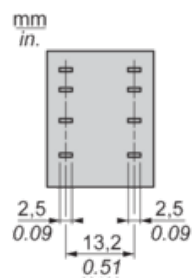
18 months

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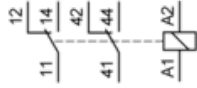
Dimensions



Pin Side View



## Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



X Switching capacity (kVA)

Y Durability (Number of operating cycles)

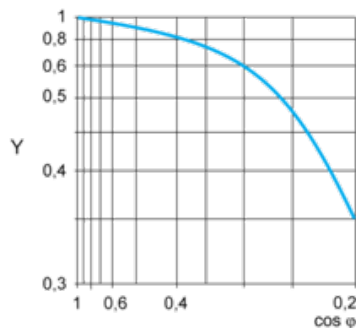
A RXM2AB...

B RXM3AB...

C RXM4AB...

D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor  $\cos \phi$ )



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

A RXM2AB...

B RXM3AB...

C RXM4AB...

D RXM4GB...

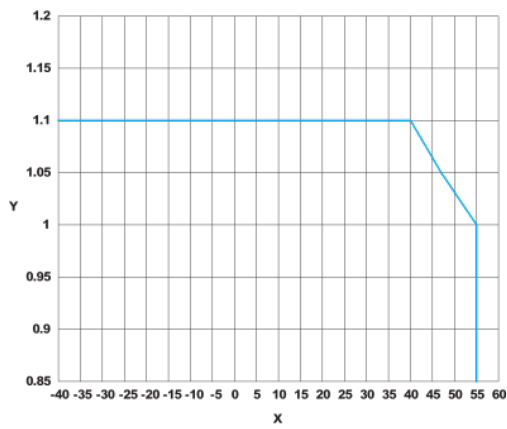
Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/free Wheeling diode - DC load only- ).

For low level loads (below 10mA), we recommend to use RXM\*GB series with bifurcated contacts relays instead.

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#### AC Coil Voltage and Operating Temperature under continuous duty



X : Operating temperature (°C)

Y : AC coil voltage (UC)