

# RXM4AB1F7

miniature plug in relay, Harmony  
Electromechanical Relays, 6A, 4CO, lockable  
test but to n, 120V AC



## Galvenā

|                                |                                  |
|--------------------------------|----------------------------------|
| Produkta sērija                | Harmony Electromechanical Relays |
| Series name                    | Miniature                        |
| Produkta vai sastāvdaļas veids | Plug-in relay                    |
| Ierīces īsais nosaukums        | RXM                              |
| Kontaktligzdas tips            | 4 C/O                            |
| [Uc] control circuit voltage   | 120 V AC 50/60 Hz                |
| Statusa gaismas diode          | Without                          |
| 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 | 2,5 kV 1.2/50 μs                                                                                                                  |
| Kontaktligzdas materiāls               | AgNi                                                                                                                              |
| [Ie] rated operational current         | 3 A 28 V DC) NC IEC<br>3 A 250 V AC) NC IEC<br>6 A 28 V DC) NĒ IEC<br>6 A 250 V AC) NĒ IEC<br>6 A 277 V AC) UL<br>8 A 30 V DC) UL |
| Continuous output current              | 5 A                                                                                                                               |
| Maximum switching voltage              | 250 V IEC                                                                                                                         |
| Resistive rated load                   | 6 Aatbilstoši250 V AC<br>6 Aatbilstoši28 V DC                                                                                     |
| Maximum switching capacity             | 1500 VA/168 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                                                                                                                          |

|                       |                        |
|-----------------------|------------------------|
| 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 CB Scheme                                                                         |
| Standarti                                | UL 508<br>IEC 61810-1<br>CSA C22.2 No 14                                                                                                          |
| 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 gn in operation<br>30 gn not operating                                                                                                         |
| Piesārņojuma pakāpe                      | 2                                                                                                                                                 |

## Iepakojšanas vienības

|                                |           |
|--------------------------------|-----------|
| Pirmā iepakojuma vienības tips | PCE       |
| Vienību skaits 1. iepakojumā   | 1         |
| 1. iepakojuma augstums         | 2,100 cm  |
| 1. iepakojuma platums          | 2,800 cm  |
| 1. iepakojuma garums           | 4,800 cm  |
| 1. iepakojuma svars            | 33,200 g  |
| Otrā iepakojuma vienības tips  | BB1       |
| Vienību skaits 2. iepakojumā   | 10        |
| 2. iepakojuma augstums         | 3,300 cm  |
| 2. iepakojuma platums          | 10,300 cm |
| 2. iepakojuma garums           | 12,600 cm |
| 2. iepakojuma svars            | 364,000 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            | 9,136 kg  |

## Piedāvājiēt 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  |  Jā                                                                                                                 |
| Vides informācijas publicēšana   |  <a href="#">Produkta Ietekme Uz Vidi</a>                                                                           |
| Cirkularitātes profils           |  <a href="#">Informācija Par Ekspluatācijas 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

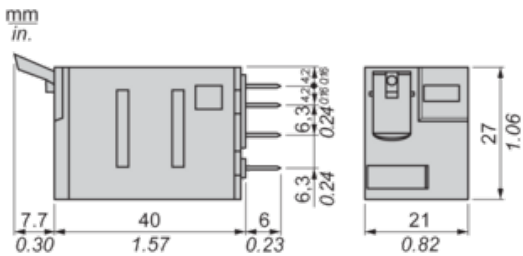
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Garantija

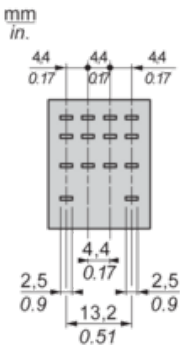
18 months

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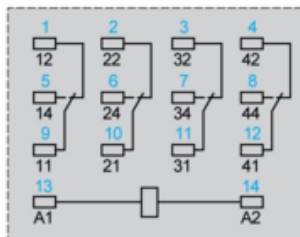
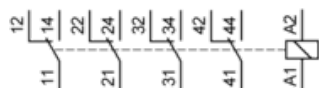
Dimensions



Pin Side View



## Wiring Diagram

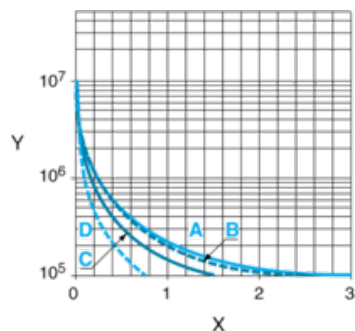


Symbols shown in blue correspond to Nema marking.

## 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)

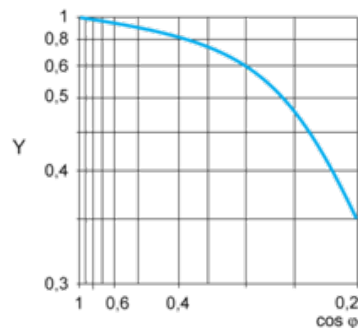
A RXM2AB...

B RXM3AB...

C RXM4AB...

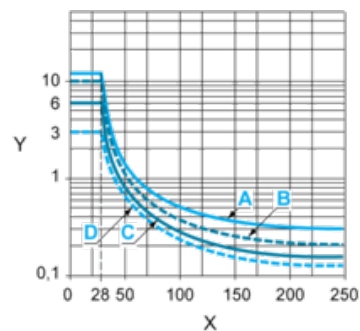
D RXM4GB...

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...

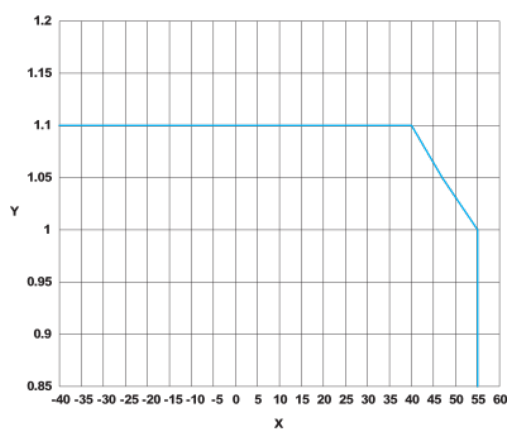
Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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)