

## RXM4AB1U7

Minijaturni utični relej – Zelio RXM 4 C/O 240 V AC 6 A



### Glavno

|  |                      |
|--|----------------------|
| Range of product                             | Zelio Relay          |
| Series name                                  | Miniature            |
| Product or component type                    | Plug-in relay        |
| Device short name                            | RXM                  |
| Contacts type and composition                | 4 C/O                |
| [Uc] control circuit voltage                 | 240 V AC, 50/60 Hz   |
| [Ithe] conventional enclosed thermal current | 6 A at -40...55 °C   |
| Status LED                                   | Without              |
| Control type                                 | Lockable test button |
| Utilisation coefficient                      | 20 %                 |

### Komplementarno

|  |   |
|--|---|
| Shape of pin                           | Flat  |
| [Ui] rated insulation voltage          | 250 V conforming to IEC<br>300 V conforming to UL<br>300 V conforming to CSA  |
| [Uimp] rated impulse withstand voltage | 2.5 kV for 1.2/50 μs  |
| Contacts material                      | AgNi  |
| [Ie] rated operational current         | 3 A at 28 V DC (NC) conforming to IEC<br>3 A at 250 V AC (NC) conforming to IEC<br>6 A at 28 V DC (NO) conforming to IEC<br>6 A at 250 V AC (NO) conforming to IEC<br>6 A at 277 V AC conforming to UL<br>8 A at 30 V DC conforming to UL |
| Maximum switching voltage              | 250 V conforming to IEC   |
| Load current                           | 6 A at 250 V AC<br>6 A at 28 V DC   |
| Maximum switching capacity             | 1500 VA/168 W   |
| Minimum switching capacity             | 170 mW at 10 mA, 17 V   |
| Operating rate                         | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load  |
| Mechanical durability                  | 10000000 cycles   |
| Electrical durability                  | 100000 cycles for resistive load  |
| Average coil consumption in VA         | 1.2 at 60 Hz  |
| Average consumption                    | 1.2 VA 60 Hz  |
| Drop-out voltage threshold             | >= 0.15 U <sub>c</sub>  |
| Operating time                         | 20 ms   |
| Reset time                             | 20 ms   |
| Average resistance                     | 17720 Ohm at 20 °C +/- 15 %   |
| Rated operational voltage limits       | 192...264 V AC  |
| Safety reliability data                | B10d = 100000   |
| Protection category                    | RT I  |
| Operating position                     | Any position  |
| CAD overall height                     | 79 mm   |
| CAD overall depth                      | 78.45 mm  |
| Product weight                         | 0.037 kg  |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i poplunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric, Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

## Okolina

|                                       |  |
|---------------------------------------|--|
| dielectric strength                   | 1300 V AC between contacts with micro disconnection insulation<br>2000 V AC between coil and contact with reinforced insulation<br>2000 V AC between poles with basic insulation |
| product certifications                | CE<br>CSA<br>GOST<br>RoHS<br>UL<br>REACH<br>Lloyd's  |
| standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14  |
| ambient air temperature for storage   | -40...85 °C  |
| ambient air temperature for operation | -40...55 °C  |
| vibration resistance                  | 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation)<br>5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)                                  |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| shock resistance                      | 10 gn in operation<br>30 gn not operating  |
| pollution degree                      | 2  |

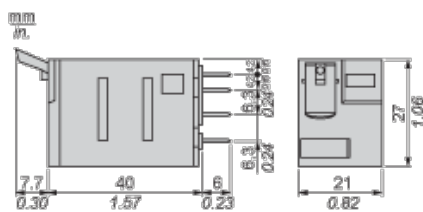
## Offer Sustainability

|   |   |
|---|---|
| Green Premium product   | Green Premium product   |
| Compliant - since 0710 - Schneider Electric declaration of conformity | Compliant - since 0710 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold                     | Reference not containing SVHC above the threshold                     |
| Available   | Available   |
| Need no specific recycling operations                                 | Need no specific recycling operations                                 |

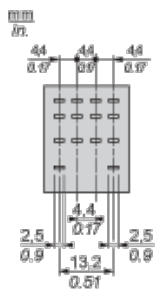
## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

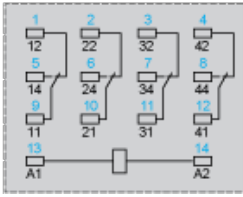
## Dimensions



Pin Side View



## Wiring Diagram

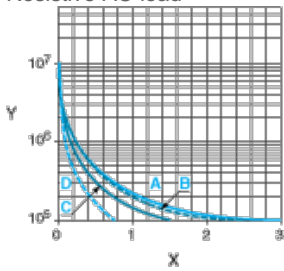


Symbols shown in blue correspond to Nema marking.

## Electrical Durability of Contacts

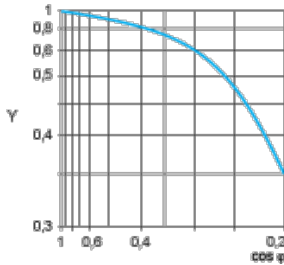
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



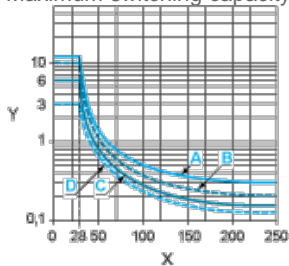
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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.