

## RXM4GB1BD

Miniature Plug-in relay - Zelio RXM 4 C/O 24 V DC 3 A



### Main

|                                              |                      |
|----------------------------------------------|----------------------|
| 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                 | 24 V DC              |
| [Ithe] conventional enclosed thermal current | 3 A at -40...55 °C   |
| Status LED                                   | Without              |
| Control type                                 | Lockable test button |
| Utilisation coefficient                      | 20 %                 |

### Complementary

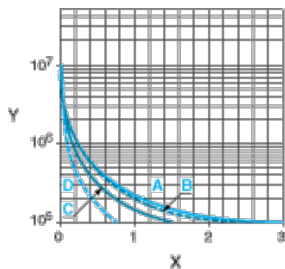
|                                        |                                                                                                                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                      | Gold plated bifurcated silver                                                                                                                                                                                                             |
| [Ie] rated operational current         | 2 A at 28 V DC (NO) conforming to IEC<br>2 A at 250 V AC (NO) conforming to IEC<br>1 A at 28 V DC (NC) conforming to IEC<br>1 A at 250 V AC (NC) conforming to IEC<br>3 A at 28 V DC conforming to UL<br>3 A at 277 V AC conforming to UL |
| Maximum switching voltage              | 250 V conforming to IEC                                                                                                                                                                                                                   |
| Load current                           | 3 A at 250 V AC<br>3 A at 28 V DC                                                                                                                                                                                                         |
| Maximum switching capacity             | 750 VA/84 W                                                                                                                                                                                                                               |
| Minimum switching capacity             | 15 mW at 3 mA, 5 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 depending on mounting position and working environment                                                                                                                                                   |
| Average coil consumption               | 0.9 W                                                                                                                                                                                                                                     |
| Drop-out voltage threshold             | >= 0.1 Uc                                                                                                                                                                                                                                 |
| Operating time                         | 20 ms                                                                                                                                                                                                                                     |
| Reset time                             | 20 ms                                                                                                                                                                                                                                     |
| Average resistance                     | 650 Ohm at 20 °C +/- 10 %                                                                                                                                                                                                                 |
| Rated operational voltage limits       | 19.2...26.4 V DC                                                                                                                                                                                                                          |
| Protection category                    | RT I                                                                                                                                                                                                                                      |
| Operating position                     | Any position                                                                                                                                                                                                                              |
| Product weight                         | 0.037 kg                                                                                                                                                                                                                                  |
| Device presentation                    | Complete product                                                                                                                                                                                                                          |

### Environment

|                     |                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

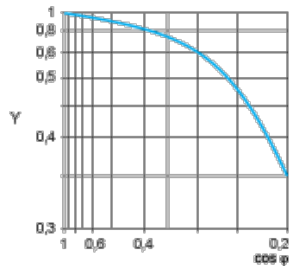
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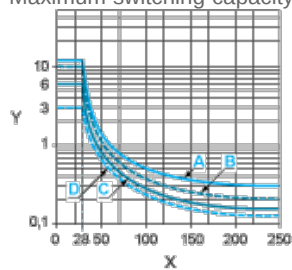
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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.