

Product datasheet

Characteristics

RXM4GB2ND

Miniature Plug-in relay - Zelio RXM 4 C/O 60 V DC 3 A with LED



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	60 V DC
[Ithe] conventional enclosed thermal current	3 A at -40...55 °C
Status LED	With
Control type	Lockable test button
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 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 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
Maximum switching voltage	250 V conforming to IEC
Load current	3 A at 250 V AC 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 <= 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	4000 Ohm at 20 °C +/- 10 %
Rated operational voltage limits	48...66 V DC
Protection category	RT I
Operating position	Any position
Product weight	0.037 kg
Device presentation	Complete product

Environment

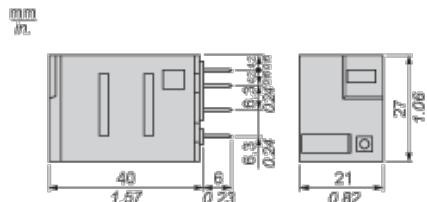
dielectric strength	1300 V AC between contacts with micro disconnection insulation
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product certifications	CE CSA GOST RoHS UL REACH Lloyd's
standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	-40...55 °C
vibration resistance	3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) 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 30 gn not operating
pollution degree	2

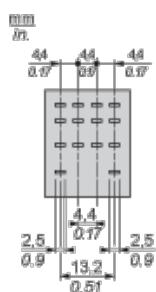
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0801 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

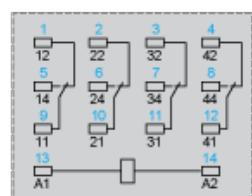
Dimensions



Pin Side View



Wiring Diagram

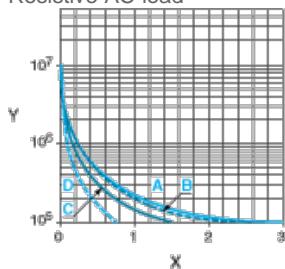


Symbols shown in blue correspond to Nema marking.

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)

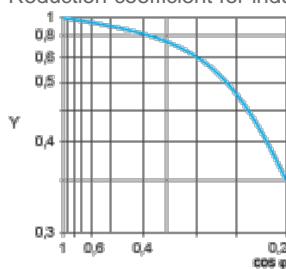
A RXM2AB***

B RXM3AB***

C RXM4AB***

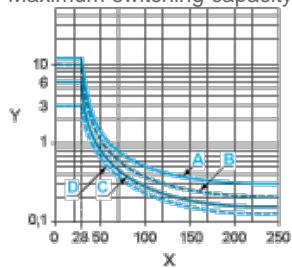
D RXM4GB***

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.