## RXM4AB3ED





#### 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	48 V DC
[Ithe] conventional enclosed thermal current	6 A at -40131 °F (-4055 °C)
Status LED	With
Control type	Without 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 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	3 A at 28 V DC (NC) conforming to IEC 3 A at 250 V AC (NC) conforming to IEC 6 A at 28 V DC (NO) conforming to IEC 6 A at 250 V AC (NO) conforming to IEC 6 A at 277 V AC conforming to UL 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 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 <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles resistive load
Average coil consumption	0.9 W
Drop-out voltage threshold	>= 0.1 Uc
Operating time	20 ms
Reset time	20 ms
Average resistance	2560 Ohm at 20 °C +/- 10 %
Rated operational voltage limits	38.452.8 V DC
Safety reliability data	B10d = 100000
Protection category	RTI
Operating position	Any position
Product weight	0.08 lb(US) (0.037 kg)
Device presentation	Complete product

### **Environment**

dielectric strength	1300 V AC between contacts with micro disconnection insulation
	2000 V AC between coil and contact with reinforced insulation
	2000 V AC between poles with basic insulation

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	-40185 °F (-4085 °C)
ambient air temperature for operation	-40131 °F (-4055 °C)
vibration resistance	3 gn (f = 10150 Hz), amplitude +/- 1 mm (on 5 cycles in operation)
	5 gn (f = 10150 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

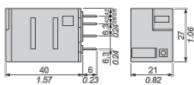
## Offer Sustainability

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	
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:	
Nickel compounds, which is known to the State of California to cause cancer, and	Nickel compounds, which is known to the State of California to cause cancer, and	
Di-isodecyl phthalate (DIDP), which is known to the StateDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth of California to cause birth defects or other reproductive defects or other reproductive harm. harm.		
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov	

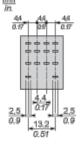
## Contractual warranty

## **Dimensions**



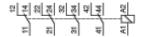


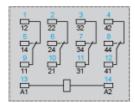
Pin Side View



# **Wiring Diagram**





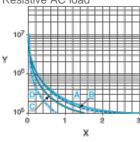


Symbols shown in blue correspond to Nema marking.

### **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)

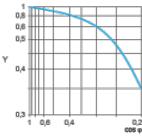
A RXM2AB•••

B RXM3AB•••

C RXM4AB•••

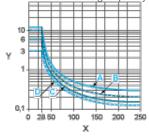
D RXM4GB•••

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.