Product datasheet Characteristics

RXM2AB2B7

Miniature Plug-in relay - Zelio RXM 2 C/O 24 V AC 12 A with LED



Main

Series name Miniature Product or component type Plug-in relay Device short name RXM Contacts type and composition 2 C/O Control circuit voltage 24 V AC, 50/60 Hz [Ithe] conventional enclosed thermal current Status LED With	IVIAIII	
Product or component type Plug-in relay Device short name RXM Contacts type and composition 2 C/O Control circuit voltage 24 V AC, 50/60 Hz [Ithe] conventional enclosed thermal current Status LED With Control type Lockable test button	Range of product	Zelio Relay
Device short name RXM Contacts type and composition 2 C/O Control circuit voltage 24 V AC, 50/60 Hz [Ithe] conventional enclosed thermal current Status LED With Control type Lockable test button	Series name	Miniature
Contacts type and composition 2 C/O Control circuit voltage 24 V AC, 50/60 Hz [Ithe] conventional enclosed thermal current 12 A at -4055 °C Status LED With Control type Lockable test button	Product or component type	Plug-in relay
Control circuit voltage 24 V AC, 50/60 Hz [Ithe] conventional enclosed thermal current 12 A at -4055 °C Status LED With Control type Lockable test button	Device short name	RXM
[Ithe] conventional enclosed thermal 12 A at -4055 °C current Status LED With Control type Lockable test button	Contacts type and composition	2 C/O
Current Status LED With Control type Lockable test button	Control circuit voltage	24 V AC, 50/60 Hz
Control type Lockable test button	[Ithe] conventional enclosed thermal current	12 A at -4055 °C
	Status LED	With
Utilisation coefficient 20 %	Control type	Lockable test button
	Utilisation coefficient	20 %

Complementary

Shape of pinFlat[Ui] rated insulation voltage250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA[Uimp] rated impulse withstand voltage4 kV for 1.2/50 μsContacts materialAgNi[le] rated operational current12 A at 28 V DC (NO) conforming to IEC 12 A at 250 V AC (NO) conforming to IEC 6 A at 28 V DC (NC) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL 12 A at 277 V AC conforming to ULMaximum switching voltage250 V conforming to IECLoad current12 A at 250 V AC 12 A at 28 V DCMaximum switching capacity3000 VA/336 WMinimum switching capacity170 mW at 10 mA, 17 V	,		
300 V conforming to UL 300 V conforming to CSA [Uimp] rated impulse withstand voltage 4 kV for 1.2/50 μs Contacts material AgNi [le] rated operational current 12 A at 28 V DC (NO) conforming to IEC 12 A at 250 V AC (NO) conforming to IEC 6 A at 250 V AC (NO) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL 12 A at 277 V AC conforming to UL 12 A at 277 V AC conforming to UL Maximum switching voltage 250 V conforming to IEC Load current 12 A at 250 V AC 12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	Shape of pin	Flat	t
Contacts material AgNi [le] rated operational current 12 A at 28 V DC (NO) conforming to IEC 12 A at 250 V AC (NO) conforming to IEC 6 A at 28 V DC (NC) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL 12 A at 277 V AC conforming to UL 12 A at 277 V AC conforming to UL Maximum switching voltage 250 V conforming to IEC Load current 12 A at 250 V AC 12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	[Ui] rated insulation voltage	300 V conforming to UL	for and is n
[le] rated operational current 12 A at 28 V DC (NO) conforming to IEC 12 A at 250 V AC (NO) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL 12 A at 277 V AC conforming to UL 12 A at 277 V AC conforming to UL 12 A at 277 V AC conforming to UL Maximum switching voltage 250 V conforming to IEC Load current 12 A at 250 V AC 12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	[Uimp] rated impulse withstand voltage	4 kV for 1.2/50 μs	Stitute
12 A at 250 V AC (NO) conforming to IEC 6 A at 28 V DC (NC) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL 12 A at 277 V AC conforming to UL 12 A at 277 V AC conforming to UL Maximum switching voltage 250 V conforming to IEC Load current 12 A at 250 V AC 12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	Contacts material	AgNi	qns e
Load current 12 A at 250 V AC 12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	[le] rated operational current	12 A at 250 V AC (NÓ) conforming to IEC 6 A at 28 V DC (NC) conforming to IEC 6 A at 250 V AC (NC) conforming to IEC 12 A at 28 V DC conforming to UL	tion is not intended as
12 A at 28 V DC Maximum switching capacity 3000 VA/336 W	Maximum switching voltage	250 V conforming to IEC	nenta
	Load current		his docur
Minimum switching capacity 170 mW at 10 mA, 17 V	Maximum switching capacity	3000 VA/336 W	ier: I
	Minimum switching capacity	170 mW at 10 mA, 17 V	_lclaim_

Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load
Average consumption	1.2 VA 60 Hz
Average consumption in VA	1.2 at 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
Operating time	20 ms
Reset time	20 ms
Average resistance	180 Ohm at 20 °C +/- 15 %
Rated operational voltage limits	19.226.4 V AC
Safety reliability data	B10d = 100000
Protection category	RTI
Operating position	Any position
Product weight	0.037 kg

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 GOST RoHS CSA REACH Lloyd's UL
Standards	UL 508 CSA C22.2 No 14 EN/IEC 61810-1
Ambient air temperature for storage	-4085 °C
Ambient air temperature for operation	-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	3

Offer Sustainability

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

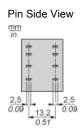
Contractual warranty

Warranty period	18 months

Product datasheet Dimensions Drawings

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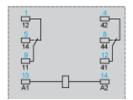
Dimensions



Product datasheet Connections and Schema

RXM2AB2B7

Wiring Diagram



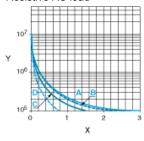
Symbols shown in blue correspond to Nema marking.

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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)

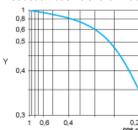
A RXM2AB•••

B RXM3AB•••

C RXM4AB•••

D RXM4GB•••

Reduction coefficient for inductive AC load (depending on power factor cos φ)



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.