

RXM2AB3P7

Miniature Plug-in relay - Zelio RXM 2 C/O 230 V AC 12 A with LED

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Series name	Miniature
Product or component type	Plug-in relay
Device short name	RXM
Contacts type and composition	2 C/O
Control circuit voltage	230 V AC, 50/60 Hz
[lthe] conventional enclosed thermal current	12 A at -40...131 °F (-40...55 °C)
Status LED	With
Control type	Without lockable test button
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	300 V conforming to UL 300 V conforming to CSA 250 V conforming to IEC
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs
Contacts material	AgNi
[Ie] rated operational current	12 A at 277 V AC conforming to UL 12 A at 28 V DC conforming to UL 6 A at 250 V AC (NC) conforming to IEC 6 A at 28 V DC (NC) conforming to IEC 12 A at 250 V AC (NO) conforming to IEC 12 A at 28 V DC (NO) conforming to IEC
Maximum switching voltage	250 V conforming to IEC
Load current	12 A at 28 V DC 12 A at 250 V AC
Maximum switching capacity	3000 VA/336 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	1000000 cycles
Electrical durability	100000 cycles resistive load
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	15000 Ohm at 20 °C +/- 15 %
Rated operational voltage limits	184...253 V AC
Safety reliability data	B10d = 100000
Protection category	RT I
Operating position	Any position
Product weight	0.08 lb(US) (0.037 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Dielectric strength	2000 V AC between poles with basic insulation 2000 V AC between coil and contact with reinforced insulation 1300 V AC between contacts with micro disconnection 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	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-40...131 °F (-40...55 °C)
Vibration resistance	5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating) 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation)
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	30 gn not operating 10 gn in operation
Pollution degree	3

Ordering and shipping details

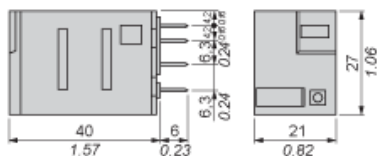
Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901641933
Nbr. of units in pkg.	10
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	CN

Contractual warranty

Warranty period	18 months
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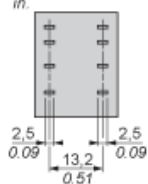
Dimensions

mm
in.

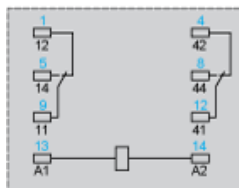
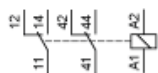


Pin Side View

mm
in.



Wiring Diagram

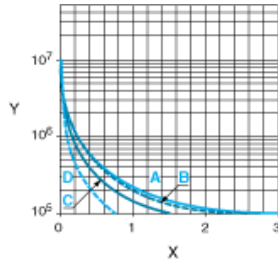


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

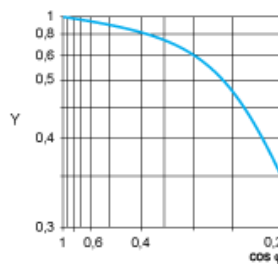
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



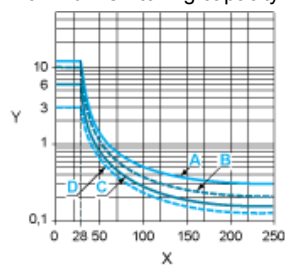
- X Switching capacity (kVA)
Y Durability (Number of operating cycles)
A RXM2AB...
B RXM3AB...
C RXM4AB...
D RXM4GB...

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.