

Product availability: Stock - Normally stocked in distribution facility



Main

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
[Uc] control circuit voltage	12 V DC
[Ithe] conventional enclosed thermal current	12 A at -40...131 °F (-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	4 kV 1.2/50 µs
Contacts material	AgNi
[Ie] 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
Maximum switching voltage	250 V conforming to IEC
Resistive rated load	12 A at 250 V AC 12 A at 28 V DC
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	10000000 cycles
Electrical durability	100000 cycles resistive load
Average coil consumption in W	0.9 W
Drop-out voltage threshold	>= 0.1 Uc
Operate time	20 ms
Release time	20 ms
Average coil resistance	160 Ohm at 20 °C +/- 10 %
Rated operational voltage limits	9.6...13.2 V DC
Safety reliability data	B10d = 100000
Protection category	RT I
Test levels	Level A group mounting
Operating position	Any position
CAD overall height	3.11 in (79 mm)
CAD overall depth	78.45 mm

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.

Product weight	0.21 lb(US) (0.096 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	UL GOST REACH CSA RoHS CE Lloyd's
Standards	CSA C22.2 No 14 EN/IEC 61810-1 UL 508
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-40...131 °F (-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	3

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901954392
Nbr. of units in pkg.	10
Package weight(Lbs)	8.0000000000000002E-2
Returnability	Y
Country of origin	ID

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
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

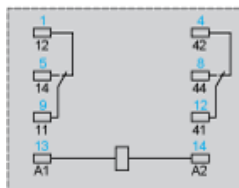
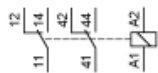
Contractual warranty

Warranty period	18 months
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The technical drawing shows two views of the power supply unit:

- Front View (Left):** Shows the main body with three output terminals on the right. Dimensions include a total width of 7.7 mm (0.30 in.), a central section width of 40 mm (1.57 in.), and a terminal block width of 6 mm (0.23 in.). The distance from the left edge to the first terminal pin is 6.3 mm (0.24 in.). The distance between the first and second pins is 18 mm (0.71 in.). The distance between the second and third pins is 19 mm (0.75 in.).
- Top View (Right):** Shows the top surface with a control knob and indicator lights. Dimensions include a total length of 27 mm (1.06 in.) and a width of 21 mm (0.82 in.).

Wiring Diagram

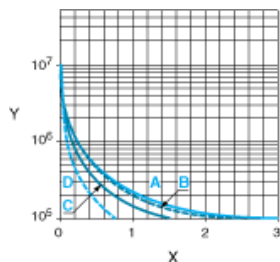


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

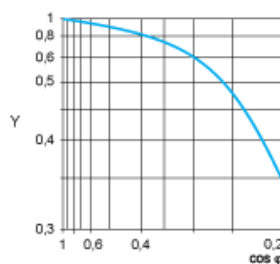
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



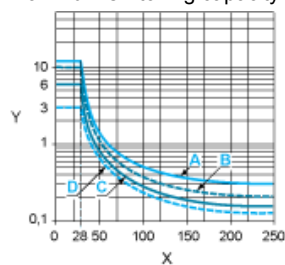
- X Switching capacity (kVA)
Y Durability (Number of operating cycles)
A RXM2AB...
B RXM3AB...
C RXM4AB...
D RXM4GB...

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.

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[RXM2AB2JD](#)