

Product availability: Non-Stock - Not 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	3 C/O
[Uc] control circuit voltage	12 V DC
[Ithe] conventional enclosed thermal current	10 A at -40...131 °F (-40...55 °C)
Status LED	Without
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	10 A at 28 V DC (NO) conforming to IEC 10 A at 250 V AC (NO) conforming to IEC 5 A at 28 V DC (NC) conforming to IEC 5 A at 250 V AC (NC) conforming to IEC 10 A at 30 V DC conforming to UL 10 A at 277 V AC conforming to UL
Maximum switching voltage	250 V conforming to IEC
Resistive rated load	10 A at 250 V AC 10 A at 28 V DC
Maximum switching capacity	2500 VA/280 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
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	REACH CE GOST UL CSA RoHS 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	2

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901511496
Nbr. of units in pkg.	10
Package weight(Lbs)	8.0000000000000002E-2
Returnability	N
Country of origin	CN

Offer Sustainability

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

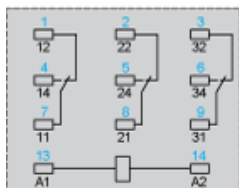
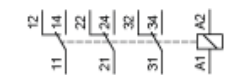
Warranty period	18 months
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The technical drawing shows two views of the power supply unit:

- Front View (Left):** Shows the main body with three vertical slots. Dimensions include a top width of 7.7 mm (0.30 in.), a central slot width of 40 mm (1.57 in.), and a bottom width of 6 mm (0.23 in.). On the right side, there are four pins with heights of 6.3 mm (0.24 in.), 3.8 mm (0.15 in.), 3.4 mm (0.13 in.), and 2.5 mm (0.10 in.).
- Side View (Right):** Shows the profile of the unit with a total height of 27 mm (1.06 in.) and a base width of 21 mm (0.82 in.). It also shows internal components like capacitors.

Technical drawing of a rectangular plate. The drawing shows a central rectangle with a width of 13.2 mm (0.51 in.) and a height of 2.5 mm (0.9 in.). There are two vertical lines on each side, spaced 6.6 mm (0.25 in.) apart. The total width is 2.5 mm (0.9 in.) + 13.2 mm (0.51 in.) + 2.5 mm (0.9 in.) = 18.2 mm (0.71 in.). The total height is 6.6 mm (0.25 in.) + 2.5 mm (0.9 in.) + 6.6 mm (0.25 in.) = 15.7 mm (0.62 in.).

Wiring Diagram

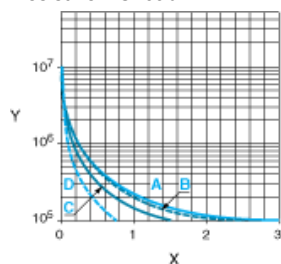


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

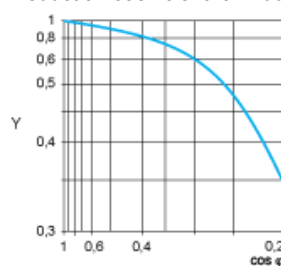
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



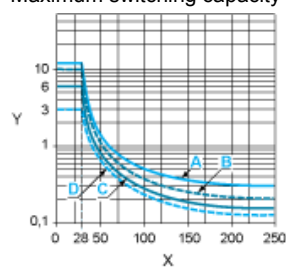
- X Switching capacity (kVA)
Y Durability (Number of operating cycles)
A RXM2AB...
B RXM3AB...
C RXM4AB...
D RXM4GB...

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.

Mouser Electronics

Authorized Distributor

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[RXM3AB1JD](#)