Product data sheet Characteristics

RXM3AB2F7

Harmony, Miniature plug-in relay, 10 A, 3 CO, with LED, with lockable test button, 120 V AC





Main

Range of Product	Harmony Electromechanical Relays
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	120 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	10 A -40131 °F (-4055 °C)
Status LED	With
Control Type	Lockable test button
Utilisation coefficient	20 %

Complementary

Complementary	
Shape of pin	Flat
[Ui] rated insulation voltage	250 V IEC
	300 V CSA
	300 V UL
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	10 A 28 V DC) NO IEC
	10 A 250 V AC) NO IEC 5 A 28 V DC) NC IEC
	5 A 250 V AC) NC IEC
	10 A 30 V DC) UL
	10 A 277 V AC) UL
Maximum switching voltage	250 V IEC
Resistive rated load	10 A 250 V AC
	10 A 28 V DC
Maximum switching capacity	2500 VA/280 W
Minimum switching capacity	170 mW 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load
	<= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles resistive
Average coil consumption in VA	1.2 60 Hz
Average consumption	1.2 VA 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
Operate time	20 ms
Release time	20 ms
Average coil resistance	3630 Ohm 20 °C +/- 15 %
Rated operational voltage limits	96132 V AC
Safety reliability data	B10d = 100000
Protection category	RTI
Test levels	Level A
Operating position	Any position
CAD overall height	3.11 in (79 mm)

Device presentation	Complete product	
Net Weight	0.08 lb(US) (0.037 kg)	
CAD overall depth	3.09 in (78.45 mm)	

Environment	
Dielectric strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact 2000 V AC between poles
Product Certifications	CE GOST UL Lloyd's CSA
Standards	UL 508 EN/IEC 61810-1 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 +/- 1 mm 10150 Hz)5 cycles in operation 5 gn +/- 1 mm 10150 Hz)5 cycles not operating
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gnin operation 30 gnnot operating
Pollution degree	2

Ordering and shipping details

a reading and analysis and an arms	
Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3389119403665
Nbr. of units in pkg.	1
Package weight(Lbs)	1.34 oz (38 g)
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	1.61 in (41 mm)	
Package 1 width	0.83 in (21 mm)	
Package 1 Length	1.10 in (28 mm)	

Offer Sustainability

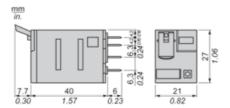
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	☑ REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEN RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	☑ China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Warranty 18 months

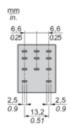
Product data sheet Dimensions Drawings

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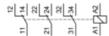
Dimensions

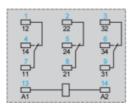


Pin Side View



Wiring Diagram





Symbols shown in blue correspond to Nema marking.

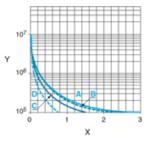
Product data sheet Performance Curves

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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)

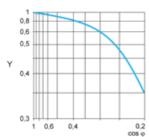
A RXM2AB•••

B RXM3AB•••

C RXM4AB•••

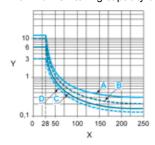
D RXM4GB•••

Reduction coefficient for inductive AC load (depending on power factor $\cos \phi$)



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.