

# RXM2AB2B7

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



## 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	24 V AC, 50/60 Hz
[Ithe] conventional enclosed thermal current	12 A at -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 for 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
Load current	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 for resistive load
Average coil consumption in VA	1.2 at 60 Hz
Average consumption	1.2 VA 60 Hz
Drop-out voltage threshold	>= 0.15 U <sub>c</sub>
Operating time	20 ms
Reset time	20 ms
Average resistance	180 Ohm at 20 °C +/- 15 %
Rated operational voltage limits	19.2...26.4 V AC
Safety reliability data	B10d = 100000
Protection category	RT I
Operating position	Any position
Torque value	0.8 N.m
Product weight	0.037 kg
Device presentation	Complete product

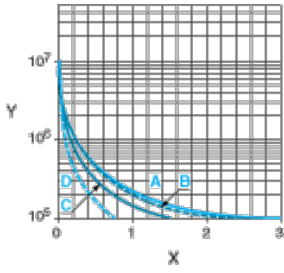
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## Electrical Durability of Contacts

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

Resistive AC load



X Switching capacity (kVA)

Y Durability (Number of operating cycles)

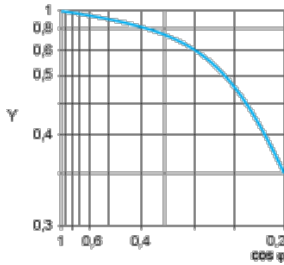
A RXM2AB...

B RXM3AB...

C RXM4AB...

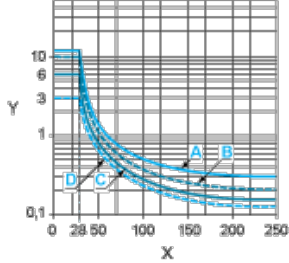
D RXM4GB...

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.