

RXM4GB1B7

Miniature Plug-in relay - Zelio RXM 4 C/O 24 V AC 3 A



Main

Range of product	Zelio Relay
Series name	Miniature
Product or component type	Plug-in relay
Device short name	RXM
Contacts type and composition	4 C/O
[Uc] control circuit voltage	24 V AC, 50/60 Hz
[Ithe] conventional enclosed thermal current	3 A at -40...55 °C
Status LED	Without
Control type	Lockable test button
Utilisation coefficient	20 %

Complementary

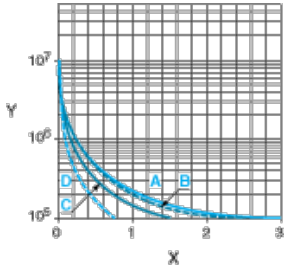
Shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA
[Uimp] rated impulse withstand voltage	2.5 kV for 1.2/50 µs
Contacts material	Gold plated bifurcated silver
[Ie] rated operational current	2 A at 28 V DC (NO) conforming to IEC 2 A at 250 V AC (NO) conforming to IEC 1 A at 28 V DC (NC) conforming to IEC 1 A at 250 V AC (NC) conforming to IEC 3 A at 28 V DC conforming to UL 3 A at 277 V AC conforming to UL
Maximum switching voltage	250 V conforming to IEC
Load current	3 A at 250 V AC 3 A at 28 V DC
Maximum switching capacity	750 VA/84 W
Minimum switching capacity	15 mW at 3 mA, 5 V
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load depending on mounting position and working environment
Average coil consumption in VA	1.2 at 60 Hz
Average consumption	1.2 VA 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
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
Protection category	RT I
Operating position	Any position
Product weight	0.037 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
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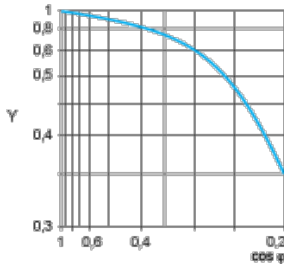
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Resistive AC load



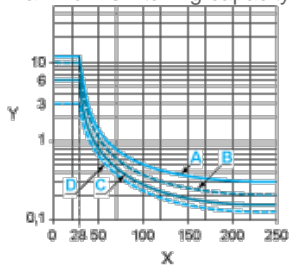
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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.