

# RXM2CB2P7

miniature plug-in relay - Zelio RXM - 2 C/O - 230 V AC - 10 A



## Main

Range of product	Zelio Relay
Series name	Miniature
Product or component type	Plug-in relay
Device short name	RXM
Utilisation coefficient	20 %
Sale per indivisible quantity	10

## Complementary



Contact operation	Standard
[Uc] control circuit voltage	230 V AC
[Ithe] conventional enclosed thermal current	10 A at -40...55 °C
Status LED	With
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL
[Uimp] rated impulse withstand voltage	3.6 kV (1.2/50 µs) conforming to IEC 61810-7
Contacts material	Silver alloy (Ag/Ni)
[Ie] rated operational current	10 A (AC-1/DC-1) conforming to UL 10 A (AC-1/DC-1) NO conforming to IEC 5 A (AC-1/DC-1) NC conforming to IEC
Minimum switching current	10 mA
Maximum switching voltage	125 V DC 250 V AC
Minimum switching voltage	17 V
Load current	10 A at 30 V DC 10 A at 250 V AC
Maximum switching capacity	2500 VA network: AC 300 W network: DC
Minimum switching capacity	170 mW

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	1.9 AC
Drop-out voltage threshold	AC : >= 0.15 Uc
Operating time	20 ms
Average resistance	15000 Ohm network: AC at 20 °C +/- 15 %
Rated operational voltage limits	184...253 V AC
Protection category	RT I
Operating position	Any position
CAD overall width	21 mm
CAD overall height	27 mm
CAD overall depth	55 mm
Product weight	0.035 kg
Safety reliability data	B10d = 100000

## Environment

Dielectric strength	1800 V AC between coil and contact 1000 V AC between contacts 1550 V AC between poles
Product certifications	GOST UL
Standards	EN/IEC 61810-1 UL 508
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f= 10...55 Hz) without clip conforming to EN/IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f= 10...55 Hz) with clip conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn (duration = 11 ms) for opening conforming to EN/IEC 60068-2-27 10 gn (duration = 11 ms) for closing conforming to EN/IEC 60068-2-27

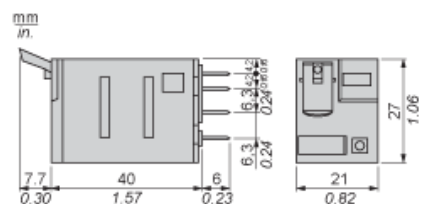
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0848 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available  <a href="#">Product environmental</a>
Product end of life instructions	Need no specific recycling operations

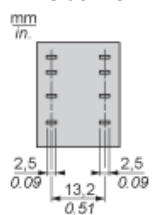
## Contractual warranty

Warranty period	18 months
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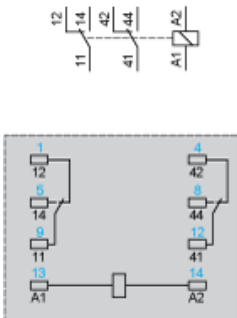
## Dimensions



Pin Side View



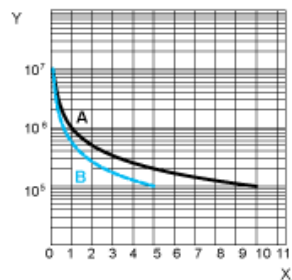
Wiring Diagram



Symbols shown in blue correspond to Nema marking.

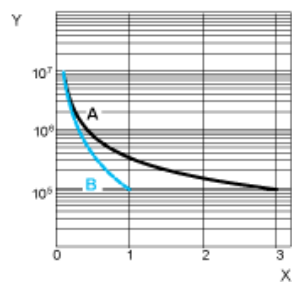
## Electrical Durability of Contacts

### Resistive load



X : Contact current (A)  
Y : Durability (Number of operating cycles)  
A : RXM 2CB...  
B : RXM 4CB...

### Inductive load

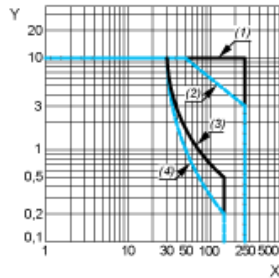


X : Contact current (A)  
Y : Durability (Number of operating cycles)  
A : RXM 2CB...  
B : RXM 4CB...

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

### Maximum Switching Capacity on Resistive and Inductive Loads

RXM 2CB...



X : Switching Voltage (V)

Y : Switching current (A)

(1) AC resistive load

(2) AC inductive load (cos phi) = 0.4)

(3) DC resistive load

(4) DC inductive load (T0.95 = 6 P)

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.