



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	5 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	2.5 kV (1.2/50 µs) conforming to IEC 61810-7
Contacts material	Silver alloy (Ag/Ni)
[Ie] rated operational current	5 A (AC-1/DC-1) conforming to UL 5 A (AC-1/DC-1) NO conforming to IEC 2.5 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	5 A at 250 V AC 5 A at 30 V DC
Maximum switching capacity	1250 VA network: AC 150 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	0.036 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

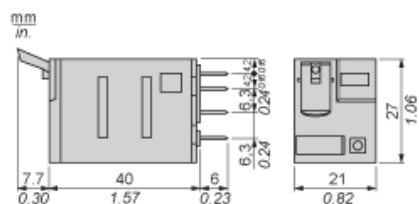
Offer Sustainability

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

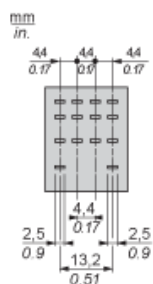
Contractual warranty

Warranty period	18 months
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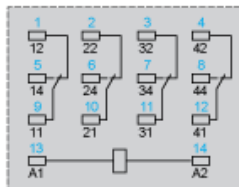
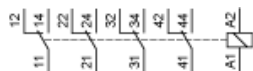
Dimensions



Pin Side View



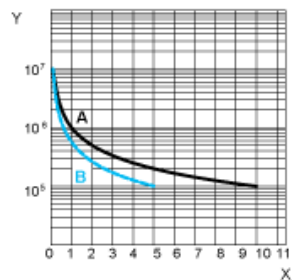
Wiring Diagram



Symbols shown in blue correspond to Nema marking.

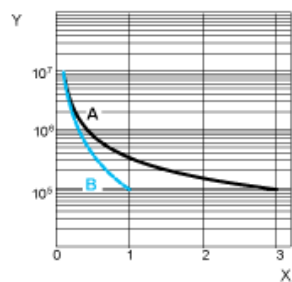
Electrical Durability of Contacts

Resistive load



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

Inductive load

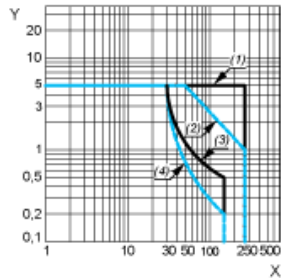


X : Contact current (A)
Y : Durability (Number of operating cycles)
A : RXM 2CB...
B : RXM 4CB...

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

Maximum Switching Capacity on Resistive and Inductive Loads

RXM 4CB...



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.