

# Product datasheet

Specifications



## miniature plug-in relay - 2CO 10A, LED, 230VAC

RXM2NB3P7

### 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	2 C/O
[Uc] control circuit voltage	230 V AC 50/60 Hz
Status LED	With
Control type	Without lockable test button
Utilisation coefficient	20 %

### Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC
[Uimp] rated impulse withstand voltage	3.6 kV during 1.2/50 µs
Contacts material	AgNi
[Ie] rated operational current	10 A at 28 V (DC) NO conforming to IEC 10 A at 250 V (AC) NO conforming to IEC 5 A at 28 V (DC) NC conforming to IEC 5 A at 250 V (AC) NC conforming to IEC
Maximum switching voltage	250 V AC 28 V DC
Resistive rated load	10 A at 250 V AC 10 A at 28 V DC
Maximum switching capacity	2500 VA/280 W
Minimum switching capacity	170 mW at 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load
Average coil consumption	1.2 W, DC 1.4 VA, AC
Average consumption	1.2 VA at 60 Hz

Drop-out voltage threshold	>= 0.15 Uc
Operate time	20 ms
Release time	20 ms
Average coil resistance	15000 Ohm at 20 °C +/- 15 %
Rated operational voltage limits	184...253 V AC
Safety reliability data	B10d = 100000
Protection category	RT I
Test levels	Level A group mounting
Operating position	Any position
CAD overall height	82.8 mm
CAD overall depth	80.35 mm
Net weight	0.037 kg
Device presentation	Complete product

## Environment

Dielectric strength	1000 V AC between contacts with micro disconnection 1800 V AC between coil and contact 1550 V AC between poles
Product certifications	CE
Standards	EN/IEC 61810-1
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10...55 Hz)without clip 5 gn, amplitude = +/- 1 mm (f = 10...55 Hz)with clip
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn (duration = 11 ms) for without clip 30 gn (duration = 11 ms) for with clip
Pollution degree	3

## Packing Units

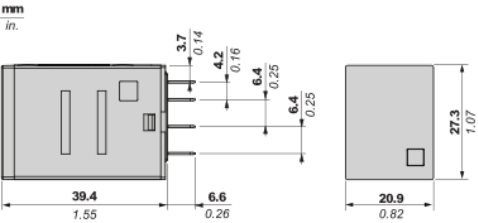
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.6 cm
Package 1 Width	2.75 cm
Package 1 Length	2.08 cm
Package 1 Weight	35 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.2 cm
Package 2 Width	10.4 cm
Package 2 Length	12.6 cm
Package 2 Weight	350 g
Unit Type of Package 3	S02
Number of Units in Package 3	270

Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	9910 g

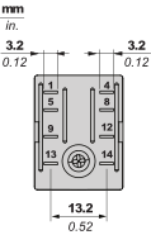
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations

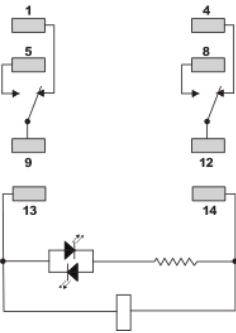
Dimensions



Pin Side View



Wiring Diagram



Recommended replacement(s)