# **Product datasheet**

Specifications





# power plug-in relay - HARMONY RPM - 3 C/O - 24 V AC - 15 A

RPM31B7

() Discontinued on: 30 Jun 2023

(!) Discontinued

### Main

Range of product	Harmony Electromechanical Relays	
Series name	Power	
Product or component type	Plug-in relay	
Device short name	RPM	
Contacts type and composition	3 C/O	
[Uc] control circuit voltage	24 V AC 50/60 Hz	
[Ithe] conventional enclosed thermal current	15 A at -4055 °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 CSA
	300 V conforming to UL
[Uimp] rated impulse withstand voltage	4 kV during 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	15 A at 277 V (AC) conforming to UL
	15 A at 28 V (DC) conforming to UL
	15 A at 250 V (AC) NO conforming to IEC
	15 A at 28 V (DC) NO conforming to IEC
	7.5 A at 250 V (AC) NC conforming to IEC
	7.5 A at 28 V (DC) NC conforming to IEC
Maximum switching voltage	250 V conforming to IEC
Resistive load current	15 A at 250 V AC
	15 A at 28 V DC
Maximum switching capacity	3750 VA
	420 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 in VA	1.7 at 60 Hz

Drop-out voltage threshold	>= 0.15 Uc AC
Operate time	20 ms at nominal voltage
Release time	20 ms at nominal voltage
Average coil resistance	110 Ohm at 20 °C +/- 15 %
Rated operational voltage limits	19.226.4 V AC
Protection category	RT I
Test levels	Level A group mounting
Operating position	Any position
Pollution degree	3
Safety reliability data	B10d = 100000
Net weight	0.054 kg
device presentation	Complete product

### Environment

1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced 2000 V AC between poles with basic
UL 508 EN/IEC 61810-1 CSA C22.2 No 14
UL CSA EAC
-4085 °C
-4055 °C
3 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles not operating
IP40 conforming to EN/IEC 60529
15 gn for in operation 30 gn for not operating

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3 cm
Package 1 Width	3.3 cm
Package 1 Length	5 cm
Package 1 Weight	58 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.1 cm
Package 2 Width	10.4 cm
Package 2 Length	17.5 cm
Package 2 Weight	582 g
Unit Type of Package 3	S01

Number of Units in Package 3	80
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	4.881 kg

# **Contractual warranty**

Warranty

12 months

## Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Reach Free Of Svhc

Rohs Exemption Information

### **Certifications & Standards**

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations