Product data sheet

Specifications





plug-in relay, Harmony electromechanical relays, 15A, 3CO, lockable test button, 230V AC

RPM31P7



! Discontinued on: Oct 9, 2023

Product availability: Non-Stock - Not normally stocked in distribution facility

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	230 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	15 A -40131 °F (-4055 °C)
Status LED	Without
Control Type	Lockable test button
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	15 A 277 V AC) UL 15 A 28 V DC) UL 15 A 250 V AC) NO IEC 15 A 28 V DC) NO IEC 7.5 A 250 V AC) NC IEC 7.5 A 28 V DC) NC IEC
Maximum switching voltage	250 V IEC
Resistive load current	15 A 250 V AC 15 A 28 V DC
Maximum switching capacity	3750 VA 420 W
Minimum switching capacity	170 mW 10 mA, 17 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 cycles

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical durability	100000 cycles resistive	
Average coil consumption in VA	1.7 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	9600 Ohm at 68 °F (20 °C) +/- 15 %	
Rated operational voltage limits	184253 V AC	
Protection category	RTI	
Test levels	Level A group mounting	
Operating position	Any position	
Pollution degree	3	
Safety reliability data	B10d = 100000	
Net Weight	0.119 lb(US) (0.054 kg)	
device presentation	Complete product	

Environment

Dielectric strength	1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced 2000 V AC between poles with basic
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product Certifications	CSA EAC UL
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)
Ambient air temperature for operation	-40131 °F (-4055 °C)
Vibration resistance	3 gn +/- 1 mm 10150 Hz)5 cycles in operation 5 gn +/- 1 mm 10150 Hz)5 cycles not operating
Degree of protection (Housing only)	IP40 conforming to EN/IEC 60529
Shock resistance	15 gnin operation 30 gnnot operating

Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
GTIN	3389119402033	
Returnability	No	
Country of origin	CN	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.2 in (3 cm)
Package 1 Width	1.3 in (3.3 cm)

Package 1 Length	2.0 in (5 cm)
Package 1 Weight	1.9 oz (54 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	10
Package 2 Height	1.2 in (3 cm)
Package 2 Width	4.1 in (10.5 cm)
Package 2 Length	7.09 in (18 cm)
Package 2 Weight	20.2 oz (572 g)
Unit Type of Package 3	S01
Number of Units in Package 3	80
Package 3 Height	5.9 in (15 cm)
Package 3 Width	5.9 in (15 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	10.584 lb(US) (4.801 kg)

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM **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-CO₂ products.

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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Reach Free Of Svhc



Rohs Exemption Information

Yes

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov