

Product data sheet

Specifications



Plug in relay, Harmony Relay, SPDT, power, socket, 24 VDC coil

RPM1SOC24D

 **Discontinued on:** Jun 30, 2023

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

 **Discontinued**

Main

Range Of Product	Harmony Relay
Series Name	Power
Product Or Component Type	Plug-in relay
Device Short Name	RPM
Contacts Type And Composition	1 C/O
[Uc] Control Circuit Voltage	24 V DC
[Ithe] Conventional Enclosed Thermal Current	15 A -40...131 °F (-40...55 °C)
Status Led	With
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
[Ie] 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
Electrical Durability	100000 cycles resistive
Average Coil Consumption	1.1 W

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Drop-Out Voltage Threshold	>= 0.1 Uc DC
Operate Time	20 ms at nominal voltage
Release Time	20 ms at nominal voltage
Average Coil Resistance	450 Ohm at 68 °F (20 °C) +/- 10 %
Rated Operational Voltage Limits	19.2...26.4 V DC
Protection Category	RT I
Operating Position	Any position
Pollution Degree	3
Safety Reliability Data	B10d = 100000
Net Weight	0.06 lb(US) (0.026 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
Standards	UL 508 CSA C22.2 No 14 EN/IEC 61810-1
Product Certifications	EAC UL CSA
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature For Operation	-40...131 °F (-40...55 °C)
Vibration Resistance	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Degree Of Protection (Housing Only)	IP40 conforming to EN/IEC 60529
Shock Resistance	15 gnin operation 30 gnnnot operating

Ordering and shipping details

Category	US1IPOP22750
Discount Schedule	IPOP
Gtin	785901659433
Returnability	No
Country Of Origin	MX

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.05 in (48.387 cm)
Package 1 Width	7.50 in (19.05 cm)
Package 1 Length	48.39 in (122.903 cm)
Package 1 Weight	2.00 lb(US) (0.907 kg)

Sustainability



Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

 Reach Free Of Svhc	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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