

# Product data sheet

Specifications



## Power Relays, Harmony 9A, SPDT, 30A, flanged panel mount, sealed cover, 24V AC

9AS7A24

**Product availability:** Stock - Normally stocked in distribution facility

### Main

Product Range	Harmony
Product Type	Power relay
Switch Function	SPDT
Contacts Material	Silver alloy contacts
[Uc] Control Circuit Voltage	24 V AC 50-60 Hz
Maximum Switching Voltage	277 V AC 28 V DC

### Complementary

Load Current	30 A NO 20 A NC
Operating Position	Any position
Rated Power in VA	470 VA at 240 V, NO on pilot duty 275 VA at 240 V, NC on pilot duty
Network Frequency	50-60 Hz
Rated Power in HP	1 hp at 125 V AC, NO 2 hp at 250 V AC, NO 0.25 hp at 125 V AC, NC 0.5 hp at 250 V AC, NC
Minimum Switching Capacity	5 W at 1 A, 5 V DC 12 VA at 1 A, 12 V AC
Rated Operational Current	30 A at 240 V AC-1 (NO) 20 A at 240 V AC-1 (NC) 30 A at 28 V DC (NO) (on resistive load) 10 A at 28 V DC (NC) (on resistive load) 22 A at 120 V AC-8a (NO) (full load) 98 A at 120 V AC-8a (NO) (locked rotor) 30 A at 240 V AC-8a (NO) (full load) 80 A at 240 V AC-8a (NO) (locked rotor) 12 A at 240 V AC-8a (NC) (full load) 30 A at 240 V AC-8a (NC) (locked rotor) 10 A at 277 V AC-8a (NC) (full load) 33 A at 277 V AC-8a (NC) (locked rotor) 10 A at 277 V AC-5a (NO) (ballast) 3 A at 277 V AC-5a (NC) (ballast)
Control Circuit Voltage Limits	0.85...1.1 Uc
Average Resistance	100 Ohm at 73 °F (23 °C) +/- 10 %
Connections Terminals	Faston terminals contact terminal AWG 12...AWG 10, connection size: 6.35 x 0.8 mm Faston terminals coil terminal AWG 22...AWG 14, connection size: 4.8 x 0.5 mm
Drop-out Voltage Threshold	>= 0.2 Uc
Average Consumption	2.6 VA

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

<b>Rated Impulse Withstand Voltage</b>	4 kV 1.2/50 $\mu$ s
<b>Electrical Durability</b>	100000 cycles, 30 A at 240 V, AC-1 NO 50000 cycles for resistive load, 30 A at 28 V, DC NO 30000 cycles for full load, 22 A at 120 V, AC-8a NO 30000 cycles for full load, 30 A at 240 V, AC-8a NO 1000 cycles for motor load NO 6000 cycles for ballast load, 10 A at 277 V, AC-5a NO 100000 cycles, 20 A at 240 V, AC-1 NC 100000 cycles for resistive load, 10 A at 28 V, DC NC 30000 cycles for full load, 12 A at 240 V, AC-8a NC 30000 cycles for full load, 10 A at 277 V, AC-8a NC 1000 cycles for motor load NC 6000 cycles for ballast load, 3 A at 277 V, AC-5a NC
<b>Mechanical Durability</b>	10000000 cycles
<b>Operate Time</b>	20 ms
<b>Release Time</b>	10 ms
<b>Dielectric Strength</b>	2500 V AC between coil and contact 1500 V between contacts with micro disconnection
<b>Rated Insulation Voltage</b>	320 V
<b>Mounting Support</b>	Panel flange
<b>Protection Category</b>	RT III
<b>Product Weight</b>	0.071 lb(US) (0.032 kg)

## Environment

<b>Shock Resistance</b>	10 gn operating 100 gn not operating
<b>Pollution Degree</b>	3
<b>Vibration Resistance</b>	+/- 0.75 mm 10...55 Hz operating +/- 0.75 mm 10...55 Hz not operating
<b>Ambient Temperature Range - Operational</b>	-40...104 °F (-40...40 °C)
<b>Ambient Temperature Range - Storage</b>	-40...185 °F (-40...85 °C)
<b>Product Certifications</b>	UL
<b>Height</b>	2.0 in (50 mm)
<b>Width</b>	1.07 in (27.3 mm)
<b>Depth</b>	1.09 in (27.8 mm)
<b>Standards</b>	UL 60947-4-1

## Ordering and shipping details

<b>Category</b>	US10CP221127
<b>Discount Schedule</b>	0CP2
<b>GTIN</b>	3606489915339
<b>Returnability</b>	Yes
<b>Country of origin</b>	CN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	1.09 in (2.78 cm)

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<b>Package 1 Width</b>	1.07 in (2.72 cm)
<b>Package 1 Length</b>	1.97 in (5 cm)
<b>Package weight(Lbs)</b>	1.1 oz (32 g)

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Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

## Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant
California proposition 65	<small>WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a></small>
PVC free	Yes
Silicon free	Yes

## Use Again

### Repack and remanufacture

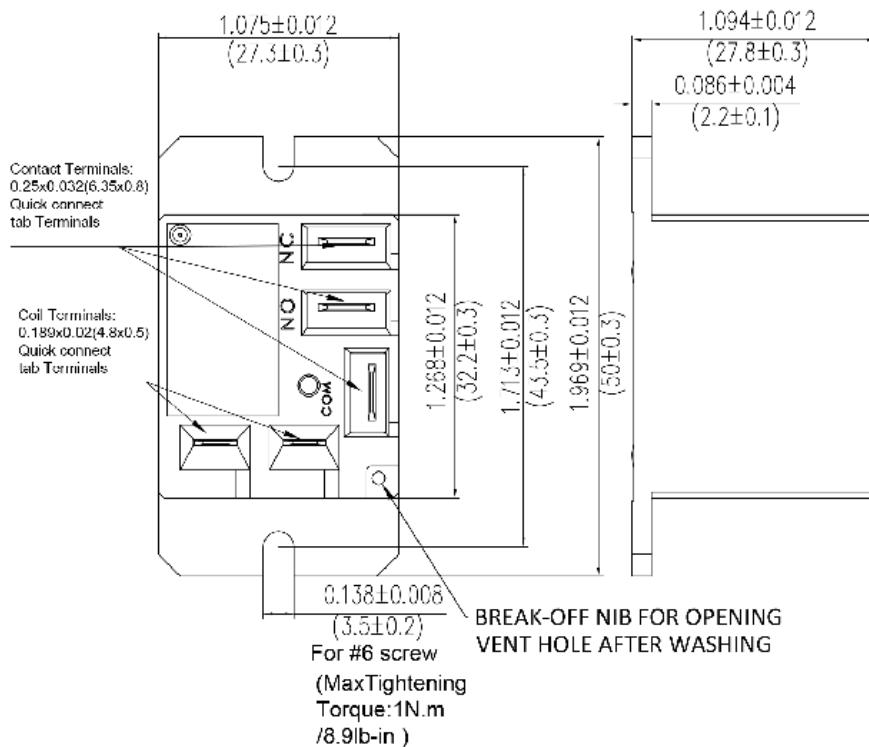
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No

## Dimensions Drawings

## Approximate Dimensions

1C

Unit:  
in.  
(mm)



Connections and Schema

Connections and Wiring Diagrams

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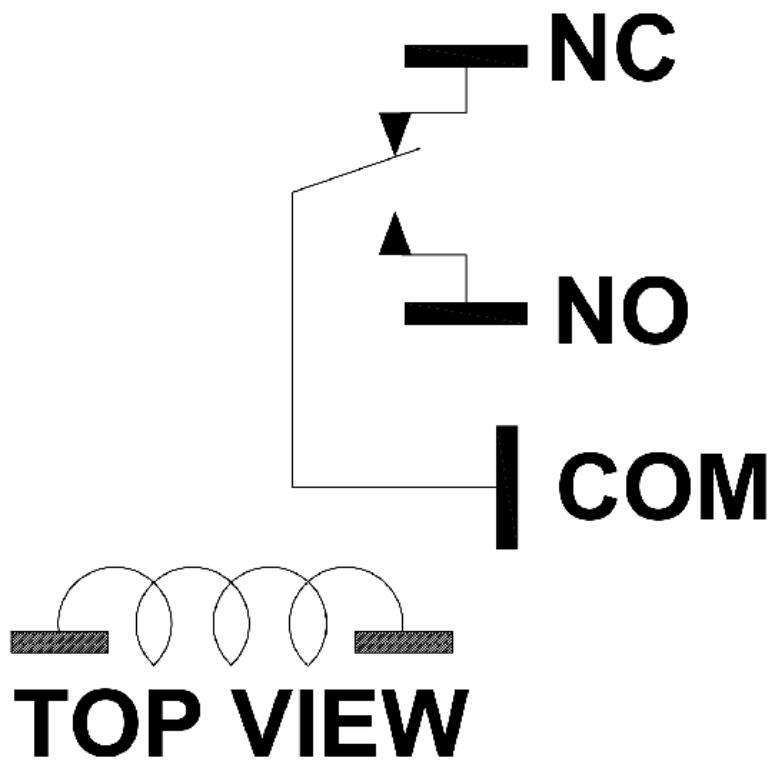


Image of product / Alternate images

Alternative

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