# Product data sheet

Specifications



## Electromechnical Power Relays, Harmony 9A, 30A, 24 VAC SPST-NO, flanged panel mount, sealed cover

9AS3A24

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

## Main

| | |
|---|---|
| **Product Range** | Harmony |
| **Product Type** | Power relay |
| **Switch Function** | SPST |
| **Contact Composition** | NO |
| **Contacts Material** | Silver alloy contacts |
| **[Uc] Control Circuit Voltage** | 24 V AC 50-60 Hz |
| **Maximum Switching Voltage** | 277 V AC<br>28 V DC |

## Complementary

| | |
|---|---|
| **Load Current** | 30 A |
| **Operating Position** | Any position |
| **Rated Power in VA** | 470 VA at 240 V on pilot duty |
| **Network Frequency** | 50-60 Hz |
| **Rated Power in HP** | 1 hp at 125 V AC<br>2 hp at 250 V AC |
| **Minimum Switching Capacity** | 5 W at 1 A, 5 V DC<br>12 VA at 1 A, 12 V AC |
| **Rated Operational Current** | 30 A at 240 V AC-1<br>30 A at 28 V DC (on resistive load)<br>24 A at 240 V AC (on resistive load)<br>98 A at 120 V AC-8a (locked rotor)<br>22 A at 120 V AC-8a (full load)<br>10 A at 277 V AC-5a (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<br>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 |
| **Rated Impulse Withstand Voltage** | 4 kV 1.2/50 µs |
| **Electrical Durability** | 100000 cycles, 30 A at 240 V, AC-1<br>50000 cycles for resistive load, 30 A at 28 V, DC<br>100000 cycles for resistive load, 24 A at 240 V, AC<br>30000 cycles for full load, 22 A at 120 V, AC-8a<br>1000 cycles for motor load<br>6000 cycles for ballast load, 10 A at 277 V, AC-5a |

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

| | |
|---|---|
| **Mechanical Durability** | 10000000 cycles |
| **Operate Time** | 20 ms |
| **Release Time** | 10 ms |
| **Dielectric Strength** | 2500 V AC between coil and contact<br>1500 V between contacts with micro disconnection |
| **Rated Insulation Voltage** | 320 V |
| **Mounting Support** | Panel flange |
| **Protection Category** | RT III |
| **Product Weight** | 0.071 lb(US) (0.032 kg) |

## Environment

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

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP221127 |
| **Discount Schedule** | 0CP2 |
| **GTIN** | 3606489915254 |
| **Returnability** | Yes |
| **Country of origin** | CN |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 1.09 in (2.78 cm) |
| **Package 1 Width** | 1.07 in (2.72 cm) |
| **Package 1 Length** | 1.97 in (5 cm) |
| **Package weight(Lbs)** | 1.1 oz (32 g) |

## Environmental Data

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 |
| EU RoHS Directive | Compliant |
| REACh Regulation | REACh Declaration |
| California proposition 65 | 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 www.P65Warnings.ca.gov |
| PVC free | Yes |
| Silicon free | Yes |

## Use Again

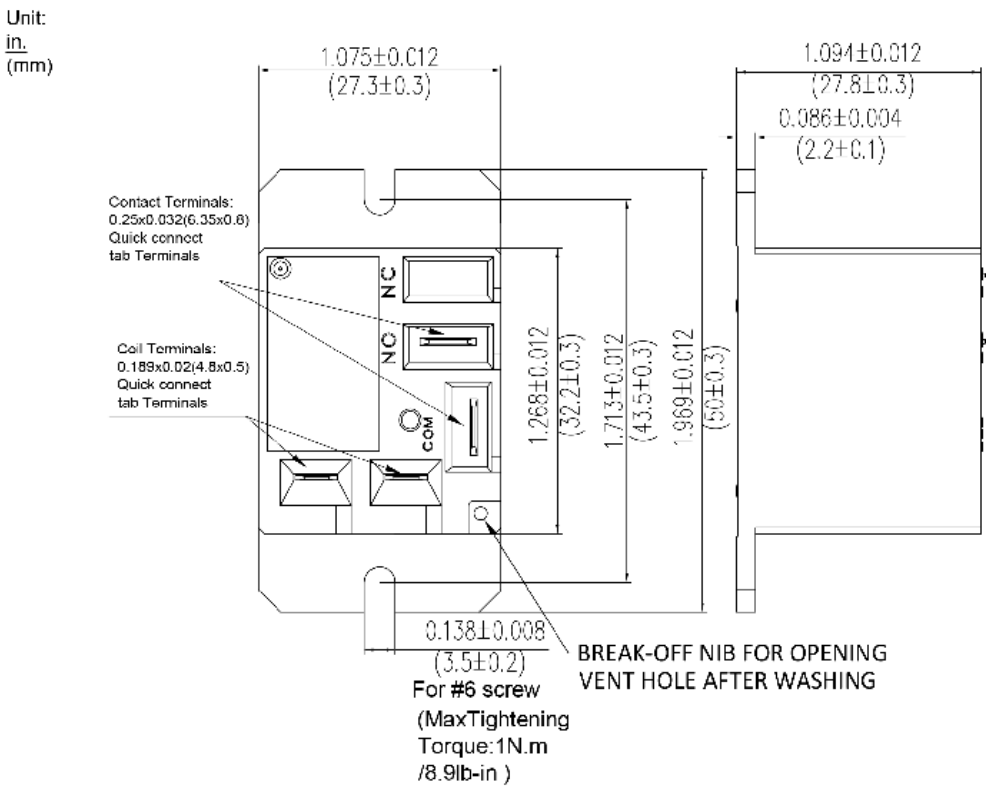
### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | End of Life Information |
| Take-back | No |

Dimensions Drawings

**Approximate Dimensions**

1A



Connections and Schema

## Connections and Wiring Diagrams

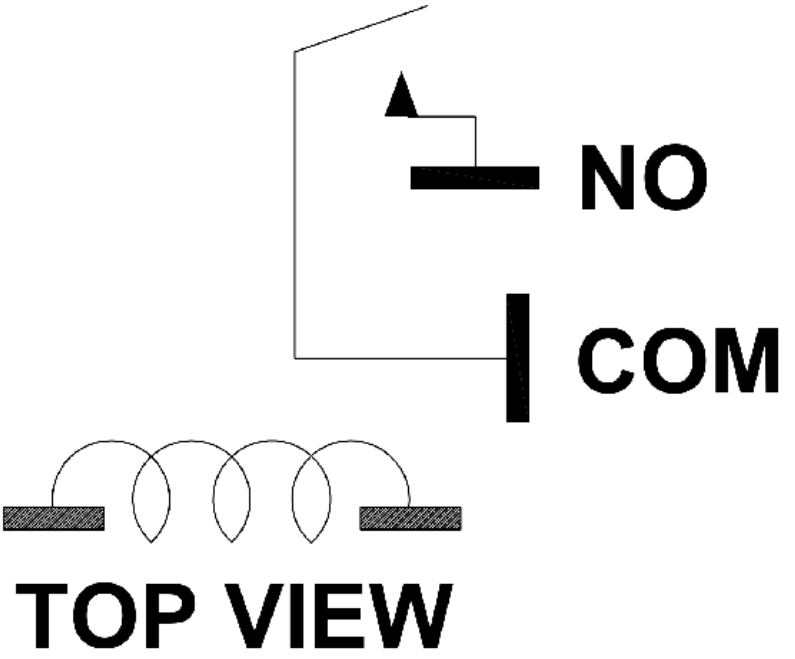


Image of product / Alternate images

**Alternative**

