

## Honeywell Sensing and Control



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### SZR-MY4-1-DC24V



Actual product appearance may vary.

**SZR-MY General Purpose Relay:**  
Standard Relay; Plug-in/Solder Terminal; 4PDT; 24 Vdc

#### Features

- A wide range of applications from power to sequence control
- Designed small, four-pole type breaks 3 A load
- Gold-plated silver contact
- High dielectric strength (1,800 Vac)
- High reliability and long life
- Ultra-high sensitivity with quick response time
- High vibration and shock resistance
- UL, CE approved

#### Potential Applications

- Control panels
- Elevator panels
- Machine tools
- Test equipment

#### Description

SZR MY and LY Series general-purpose power relays are designed for a wide range of applications including power as well as logic control for factory machines and control panels.

#### Supporting Documentation

 [Dimensional Drawing](#)

 [Installation Instructions](#)

 [Socket - Required Accessory](#)

Product Specifications	
Current Rating	3 A
Contact	4PDT
Terminal Type	Solder/Plug-in
Options	Standard - No indicator or diode
Resistive Load	24 V, 3 A
Inductive Load	24 V, 0.8 A
Max. Switching (Res. Load)	72 W
Max. Switching (Ind. Load)	36 W
Max. Contact Rating	125 Vdc
Coil Input Voltage	24 Vdc
Rated Current at 50 Hz	36.9 mA

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Rated Current at 60 Hz	36.9 mA
Coil Resistance	650 ohms
Power Consumption at 60 Hz	0.9 W
Dropout Voltage (% of rated voltage)	Min. 10%
Pick-Up Voltage (Must Operate)	Max. 80% of the rated coil voltage
Max. Voltage (Continuous)	110% of the rated coil voltage
Min. Operating Voltage	80% of the rated coil voltage
Operate Time	20 ms max.
Release Time	20 ms max.
Ambient Temperature	-25 °C to 75 °C [-13 °F to 167 °F]
Ambient Humidity	45% RH to 85% RH
Contact Material	Gold-plated Silver
Contact resistance	50 mOhm max.
Operating Frequency (Mechanical)	18,000 operations/hour
Operating Frequency (Electrical)	1,800 operations/hour
Vibration Resistance	10 Hz to 55 Hz at double amplitude of 1.0 mm
Shock Resistance	1,000 m/s <sup>2</sup> (approx. 100 G)
Weight	35 g [1.24 oz.]
Agency Approvals and Standards	UL Recognized, CE Certified
UL File #	E#150950
CE File #	9667186-9811
Mechanical Life	DC - 100 million operations min.
Comment	Standard Relay; Solder/Plug-in; 4PDT
Availability	Global
Series Name	SZR-MY

