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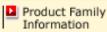
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Honeywell Sensing and Control











Search Help



Representative photograph, actual product appearance may vary.

- Dimensional Drawing
- Installation Instructions
- Socket Required Accessory
- Specifications

Click here for a print friendly version of this datasheet.

SZR-LY2-N1-AC110-120V

SZR-LY General Purpose Relay: LED Indicator; Plug-in/Solder Terminal; DPDT; 110/120 Vac

Features

- A wide range of applications from power to sequence control
- Designed small, two-pole type breaks 10 A load
- Silver Cadium Oxide contact
- High dielectric strength (1,800 Vac)
- High reliability and long life
- Ultra-high sensitivity with quick response time
- High vibration and shock resistance
- Contains LED for output indicator
- Custom voltages available: 6 Vac, 12 Vac, 24 Vac, 50 Vac, 100 Vac, 200 Vac, 6 Vdc, 48 Vdc, and 100 Vdc
- UL, CE approved

Typical 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.

Product Specifications	
Current Rating	10 A
Contact	DPDT
Terminal Type	Solder/Plug-in
Options	LED Indicator
Resistive Load	110 V, 10 A
Inductive Load	110 V, 7.5 A
Max. Switching (Res. Load)	1,100 VA
Max. Switching (Ind. Load)	825 VA
Max. Contact Rating	250 Vac
Coil Input Voltage	110/120 Vac
Rated Current at 50 Hz	9.9 mA/10.8 mA
Rated Current at 60 Hz	8.4 mA/9.2 mA
Coil Resistance	4,430 ohms
Power Consumption at 60 Hz	0.9 W to 1.1 W
Dropout Voltage (% of rated voltage)	Min. 30%
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	25 ms max.
Release Time	25 ms. max
Ambient Temperature	-25 °C to 70 °C [-13 °F to 158 °F]
Ambient Humidity	45% RH to 85% RH
Contact Material	Silver Cadium Oxide
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/s2 (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	AC - 50 million operations min.
Comment	LED Indicator; Solder/Plug-in; DPDT
Availability	Global
Series Name	SZR-LY Series

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

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