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Honeywell Sensing and Control

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*Representative photograph,
actual product appearance
may vary.*

- ▶ Dimensional Drawing
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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 Cadmium 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 Cadum 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/s ² (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.*