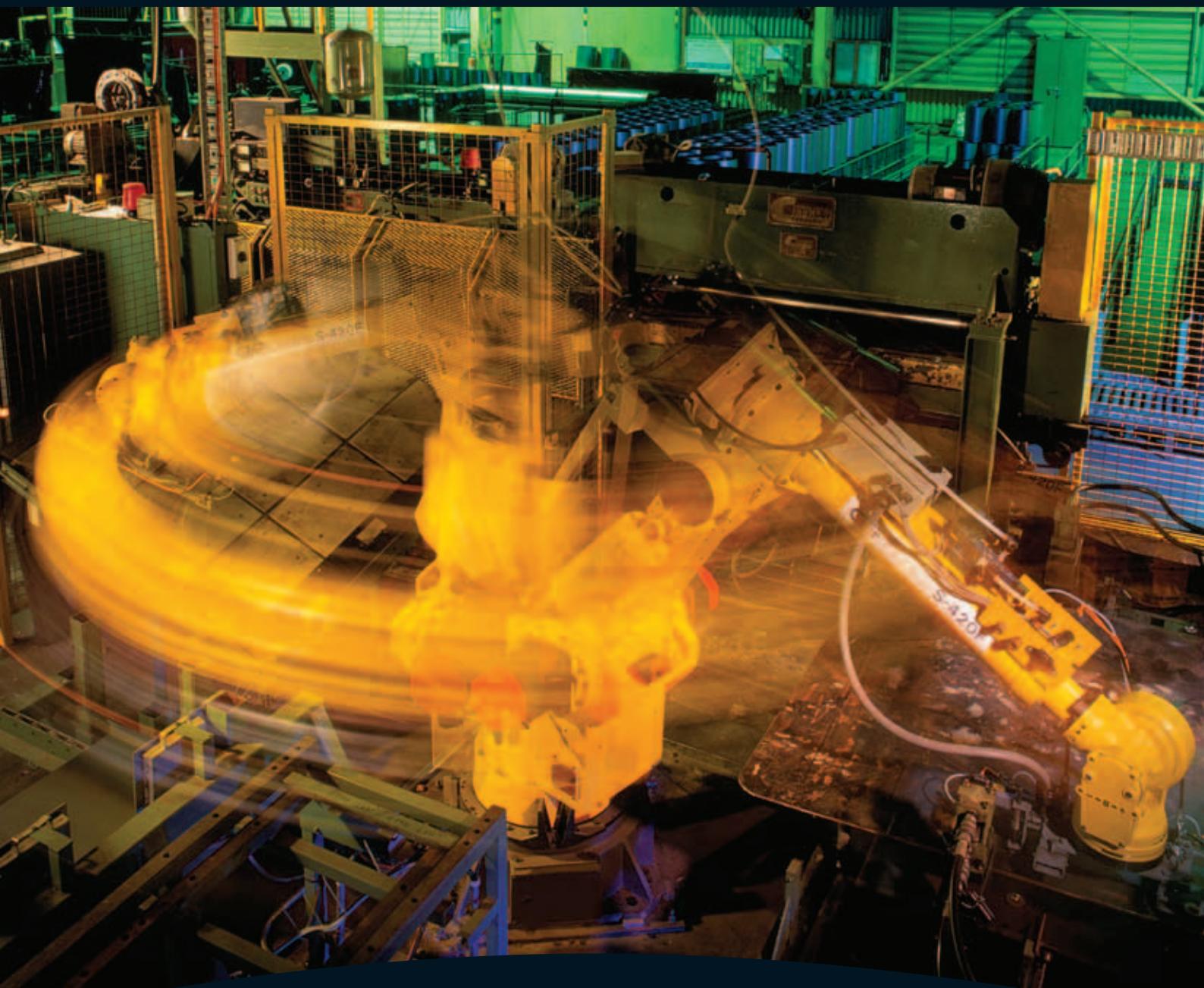


Relay

Honeywell



SENSING AND CONTROL

Product Range Guide

For innovation that's well apart, there's only Honeywell Sensing and Control.

With more than 50,000 products ranging from snap-action, limit, toggle, and pressure switches to position, speed, pressure, and airflow sensors, Honeywell Sensing and Control (S&C) has one of the broadest sensing and switching portfolios available.

Honeywell sensor, switch, and control components are tailored to exact specifications for stronger performance, longer productivity, and increased safety. Enhanced accuracy and durability are built into every part, improving output and endurance. For our customers, this can reduce expenditures and operational costs. Our global footprint and channels help to competitively price such components for your chosen application and provide immediate technical support.

Our expertise in aerospace and defense, transportation, medical, and industrial industries means we offer products and solutions for a wide range of applications. But, an impressive product line is only one part. We possess unique engineering expertise and value-added capabilities.

While Honeywell's switch and sensor solutions are suitable for a wide array of basic and complex applications, our custom-engineered solutions offer enhanced precision, repeatability, and ruggedness. We offer domain knowledge and technology resources, along with a close working relationship, to develop and deliver cost-effective, individually tailored solutions.

Whether clean-slate development or simple modifications



to an existing design are needed, our expertly engineered solutions help to meet the most stringent requirements with worldclass product designs, technology integration, and customer-specific manufacturing.

With a 75-year legacy in the switch and sensor business, Honeywell S&C has earned a reputation for reliability and excellence. Our strong product designs, Six Sigma Plus manufacturing environment, and robust testing facilities help provide quality out of the box, as well as enhanced, sustainable performance down the line.

Global service, sourcing, and manufacturing. Industry-leading engineers. Value-added assemblies and solutions. Construction to required specifications. A one-stop, full-service, globally competitive supplier... Honeywell Sensing and Control.

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SZR-MY/LY SERIES

Relay



■ DESCRIPTION

SZR-MY series general purpose power relays are designed for general purpose and a wide range of applications from power to sequence controls in various factory machines and control panels.

These relays are small sizes with two contact types, MY series 2 pole (DPDT) version break 5A load and 4 poles (4PDT) version break 3A load. LY series version break 10A load. They are ideal for electric control panels which require stable and reliable relays.

One standard type and two special types are available, general purpose type-with LED, and without LED. These options allow the customers to select the appropriate model based on their needs.

■ FEATURES

- ◆ Small size, standard install size
- ◆ MY2: Ag alloy, 2-pole type breaks 5A load
- ◆ MY4: Ag alloy, 2-pole type breaks 3A load
- ◆ LY Series: Ag alloy, breaks 10A load
- ◆ LY series with Arc barrier to prevent Arc interruption
- ◆ High reliability and long life
- ◆ High sensitivity with quick response time $\leq 20\text{ms}$
- ◆ High vibration and shock resistance
- ◆ With LED
- ◆ CE CQC approved

■ APPLICATION

- ◆ Control panels / elevator panels / control cabinet
- ◆ Control system for elevator
- ◆ Machine tools control / factory logic control
- ◆ Test Equipment
- ◆ Transmission and Distribution of Electrical Energy

■ MODEL

SZR-MY 2 - S- N 1 AC110/120V

① ② ③ ④ ⑤ ⑥ ⑦

① General relay

② Current level

MY: 5A or 3A

LY: 10A

③ Circuit

2: DPDT

4: 4PDT

④ Purchase type

S: NULL

⑤ Option

Blank: Without LED

N: With LED

⑥ 1: Null

⑦ Voltage level

AC6V = 6 VAC

AC12V = 12 VAC

AC24V = 24 VAC

AC48V = 48 VAC

AC110/120V = 110/120 VAC

AC220V = 220 VAC

DC6V = 6 VDC

DC12V = 12 VDC

DC24V = 24 VDC

DC48V = 48 VDC

DC110V = 110 VDC

■ Options: SZR-MY2 SERIES PARAMETER



		SZR-MY2-S-1 AC6V SZR-MY2-S-1 AC12V	SZR-MY2-S-1 AC24V SZR-MY2-S-1 AC48V	SZR-MY2-S-1 AC110/120V SZR-MY2-S-1 AC220V	SZR-MY2-S-1 DC6V SZR-MY2-S-1 DC12V	SZR-MY2-S-1 DC24V SZR-MY2-S-1 DC48V	SZR-MY2-S-1 DC110V	SZR-MY2-S-N1 AC6V SZR-MY2-S-N1 AC12V	SZR-MY2-S-N1 AC24V SZR-MY2-S-N1 AC48V	SZR-MY2-S-N1 C110/120V SZR-MY2-S-N1 AC220V	SZR-MY2-S-N1 DC6V SZR-MY2-S-N1 DC12V	SZR-MY2-S-N1 DC24V SZR-MY2-S-N1 DC48V	SZR-MY2-S-N1 DC110V						
Contact parameter	Rated current	5A																	
	Contact form	DPDT																	
	Resistance load	250VAC, 5A			30VDC, 5A			250VAC, 5A			30VDC, 5A								
	Switching capacity (resistance)	1250VA			150W			1250VA			150W								
Coil parameter	Options	Standard type, without LED						With LED											
	Coil voltage	6VAC	12VAC	24VAC	48VAC	110/120VAC	220VAC	6VDC	12VDC	24VDC	48VDC	110VDC							
	Coil resistance (ohm)	11.5	40	160	600	3750/3900	13000	40	160	630	2600	11000							
	Rated current(mA) 50Hz testing	215	106.9	62.4	33.3	12.6	6.5	150	75	36.9	18.5	10							
	Rated current (mA) 60Hz testing	190	98.2	52.2	27.8	10.8	5.4	150	75	36.9	18.5	10							
	Consumed power (W) 60Hz testing	1.2VA						0.9W											
	Voltage drop (for reted voltage)	Min. 30%						Min.10%											
	Min. operating voltage	Max.80% rated voltage						Max.75% rated voltage											
	Max. continuous operating voltage	110% rated voltage																	
	Min.operating valtage	80% rated voltage																	
Whole parameter	Operate time	Max.20hm																	
	Release voltag	Max.20hm																	
	Ambient temperature	-55 °C~70 °C																	
	Humidity	35%~85% RH																	
	Contact material	Ag alloy																	
	Contact resistance	max. 50 mΩ																	
	Electrical life	>100000 (1800ops/h)																	
	Mechanical life	>1000000 (18000 ops/h)																	
	Insulation resistance	>500zΩ (500VDC)																	
	Dielectric strength	Between contact						1000VAC/1min											
		Between contact(different pole)						1000VAC/1min											
		Between contact and coil						2000VAC/1min											
	Vibration resistance	10~55Hz, Dual amplitude:1mm																	
	Shock resistance	100m/s ² (about 10g)																	
	Weigh	35g																	
	Certificate	CE CQC																	

■ Options: SZR-MY4 SERIES PARAMETER

		SZR-MY4-S-1 AC6V	SZR-MY4-S-1 AC12V	SZR-MY4-S-1 AC24V	SZR-MY4-S-1 AC48V	SZR-MY4-S-1 AC110/120V	SZR-MY4-S-1 AC220V	SZR-MY4-S-1 DC6V	SZR-MY4-S-1 DC12V	SZR-MY4-S-1 DC24V	SZR-MY4-S-1 DC48V	SZR-MY4-S-1 DC110V	SZR-MY4-S-N1 AC6V	SZR-MY4-S-N1 AC12V	SZR-MY4-S-N1 AC24V	SZR-MY4-S-N1 AC48V	SZR-MY4-S-N1 AC110/120V	SZR-MY4-S-N1 AC220V	SZR-MY4-S-N1 DC6V	SZR-MY4-S-N1 DC12V	SZR-MY4-S-N1 DC24V	SZR-MY4-S-N1 DC48V	SZR-MY4-S-N1 DC110V			
Contact parameter	Rated current	3A												4PDT												
	Contact form	4PDT												250VAC, 3A						250VAC, 3A						
	Resistance load	250VAC, 3A						30VDC, 3A						30VDC, 3A						30VDC, 3A						
	Switching capacity (resistance)	750VA						90W						750VA						90W						
Coil parameter	Options	Standard type, without LED												With LED												
	Coil voltage	6VAC	12VAC	24VAC	48VAC	110/120VAC	220VAC	6VDC	12VDC	24VDC	48VDC	110VDC														
	Coil resistance (ohm)	11.5	40	160	600	3750/3900	13000	40	160	630	2600	11000														
	Rated current (mA) 50Hz testing	215	106.9	62.4	33.3	12.6	6.5	150	75	36.9	18.5	10														
	Rated current (mA) 60Hz testing	190	98.2	52.2	27.8	10.8	5.4	150	75	36.9	18.5	10														
	Consumed power (W) 60Hz testing	1.2VA												0.9W												
	Voltage drop (for rated voltage)	Min. 30%												Min.10%												
	Min. operating voltage	Max.80% rated voltage												Max.75% rated voltage												
	Max. continuous operating voltage	110% rated voltage																								
	Min. operating voltage	80% rated voltage																								
Whole parameter	Operate time	Max.20hm																								
	Release voltage	Max.20hm																								
	Ambient temperature	-55 °C~70 °C																								
	Humidity	35%~85% RH																								
	Contact material	Ag alloy																								
	Contact resistance	max. 50 mΩ																								
	Electrical life	>100000 (1800ops/h)																								
	Mechanical life	>1000000 (18000 ops/h)																								
	Insulation resistance	>500zΩ (500VDC)																								
	Dielectric strength	Between contact						1000VAC/1min																		
		Between contact (different pole)						1000VAC/1min																		
		Between contact and coil						2000VAC/1min																		
	Vibration resistance	10~55Hz, 1mm																								
	Shock resistance	100m/s2 (10g)																								
	Weigh	35g																								
	Certificate	CE						CQC																		

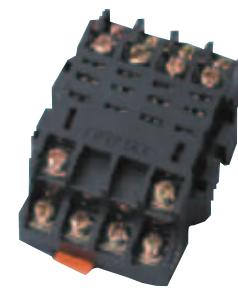
■ Options: SZR-LY2 SERIES PARAMETER

		SZR-LY2-S-N1 AC6V	SZR-LY2-S-N1 AC12V	SZR-LY2-S-N1 AC24V	SZR-LY2-S-N1 AC48V	SZR-LY2-S-N1AC10/120V	SZR-LY2-S-N1 AC220V	SZR-LY2-S-N1 DC6V	SZR-LY2-S-N1 DC12V	SZR-LY2-S-N1 DC24V	SZR-LY2-S-N1 DC48V	SZR-LY2-S-N1 DC110V													
Contact parameter	Rated current	10A																							
	Contact form	DPDT																							
	Resistance load	250VAC, 10A		30VDC, 10A		250VAC, 10A		30VDC, 10A																	
	Switching capacity (resistance)	2500VA		300W		2500VA		300W																	
Coil parameter	Options	With LED																							
	Coil voltage	6VAC	12VAC	24VAC	48VAC	110/120VAC	220VAC	6VDC	12VDC	24VDC	48VDC	110VDC													
	Coil resistance (ohm)	11.5	40	160	600	3750/3900	13000	40	160	630	2600	11000													
	Rated current (mA) 50Hz testing	215	106.9	62.4	33.3	12.6	6.5	150	75	36.9	18.5	10													
	Rated current (mA) 60Hz testing	190	98.2	52.2	27.8	10.8	5.4	150	75	36.9	18.5	10													
	Consumed power (W) 60Hz testing	1.2VA					0.9W																		
	Voltage drop (for reted voltage)	Min. 30%					Min.10%																		
	Min. operating voltage	Max.80% rated voltage					Max.75% rated voltage																		
	Max. continuous operating voltage	110% rated voltage																							
Whole parameter	Min.operating valtage	80% rated voltage																							
	Operate time	Max.20hm																							
	Release voltag	Max.20hm																							
	Ambient temperature	-25~55 °C																							
	Humidity	35~85% RH																							
	Contact material	Ag alloy																							
	Contact resistance	max. 50 mΩ																							
	Electrical life	>100000 (1800ops/h)																							
	Mechanical life	>1000000 (18000 ops/h)																							
	Insulation resistance	>500zΩ (500VDC)																							
	Dielectric strength	Between contact				1000VAC/1min																			
		Between contact (different pole)				1000VAC/1min																			
		Between contact and coil				2000VAC/1min																			
	Vibration resistance	10~55Hz, 1mm																							
	Shock resistance	100m/s2 (10g)																							
	Weigh	35g																							
	Certificate	CE CQC																							

■ Options: SZR-LY4 SERIES PARAMETER

		SZR-LY4-S-N1 AC6V	SZR-LY4-S-N1 AC12V	SZR-LY4-S-N1 AC24V	SZR-LY4-S-N1 AC48V	SZR-LY4-S-N1AC10/120V	SZR-LY4-S-N1 AC220V	SZR-LY4-S-N1 DC6V	SZR-LY4-S-N1 DC12V	SZR-LY4-S-N1 DC24V	SZR-LY4-S-N1 DC48V	SZR-LY4-S-N1 DC110V												
Contact parameter	Rated current	10A																						
	Contact form	4PDT																						
	Terminal	PCB/ plug-in terminal					PCB																	
	Resistance load	250VAC, 10A			30VDC, 10A		250VAC, 10A			30VDC, 10A														
	Switching capacity (resistance)	2500VA			300W		2500VA			300W														
Coil parameter	Options	With LED																						
	Coil voltage	6VAC	12VAC	24VAC	48VAC	110/120VAC	220VAC	6VDC	12VDC	24VDC	48VDC	110VDC												
	Coil resistance (ohm)	5	20	80	320	1680/2000	6700	24	96	360	1540	6800												
	Rated current (mA) 50Hz testing	386	199	93.6	47	25.5/27	13.1	250	125	62	31	13.6												
	Rated current (mA) 60Hz testing	330	170	80	40	21.8/22.6	11.2	250	125	62	31	13.6												
	Consumed power (W) 60Hz testing	2.5VA						1.5W																
	Voltage drop (for reted voltage)	Min. 30%						Min.10%																
	Min. operating voltage	Max.80% rated voltage						Max.75% rated voltage																
	Max. continuous operating voltage	110% rated voltage																						
	Min.operating valtage	80% rated voltage																						
Whole parameter	Operate time	Max.20hm																						
	Release voltag	Max.20hm																						
	Ambient temperature	-25~55 °C																						
	Humidity	35~85% RH																						
	Contact material	Ag alloy																						
	Contact resistance	max. 50 mΩ																						
	Electrical life	>100000 (1800ops/h)																						
	Mechanical life	>1000000 (18000 ops/h)																						
	Insulation resistance	>500zΩ (500VDC)																						
	Dielectric strength	Between contact				1000VAC/1min																		
		Between contact(different pole)				1000VAC/1min																		
		Between contact and coil				2000VAC/1min																		
	Vibration resistance	10~55Hz, Dual amplitude:1mm																						
	Shock resistance	100m/s2 (about 10g)																						
	Weigh	65g																						
	Certificate	CE CQC																						

■ Options: SZX SERIES PARAMETER

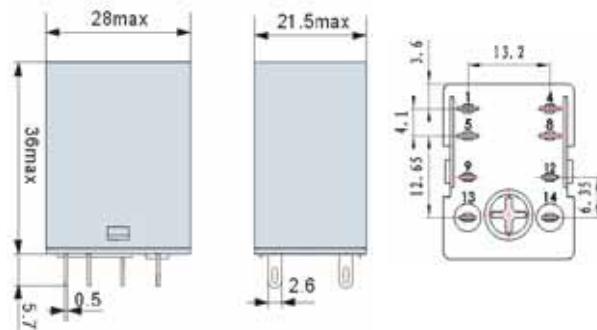
SZX-SMF-08SN	SZX-SMF-14SN		
			
SZX-SLF-08SE	SZX-SLF-14SE		
			
SZR-MY2 Matched socket	SZR-MY4 Matched socket	SZR-LY2 Matched socket	SZR-LY4 Matched socket
SZX-SMF-08SN	SZX-SMF-14SN	SZX-SLF-08SE	SZX-SLF-14SE

■ Options: SZX CLIP SERIES

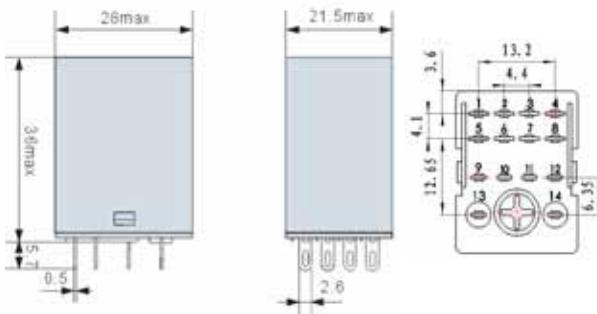
SZX-SMF-CM	SZX-SLF-CL
	
Matched socket SZX-SMF-08SN SZX-SMF-14SN	Matched socket SZX-SLF-08SE SZX-SLF-14SE

■ Dimension. Bottom view: SZR, SXZ SERIES PARAMETER

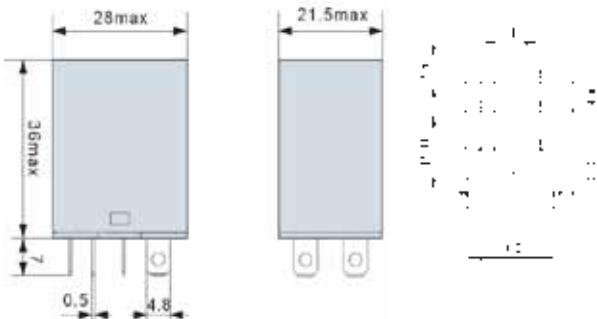
SZR-MY2 Outline & Bottom view



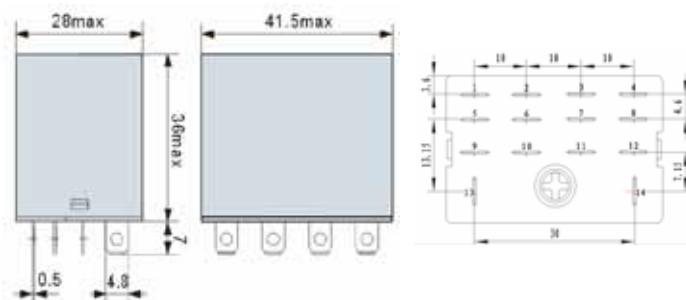
SZR-MY4 Outline & Bottom view



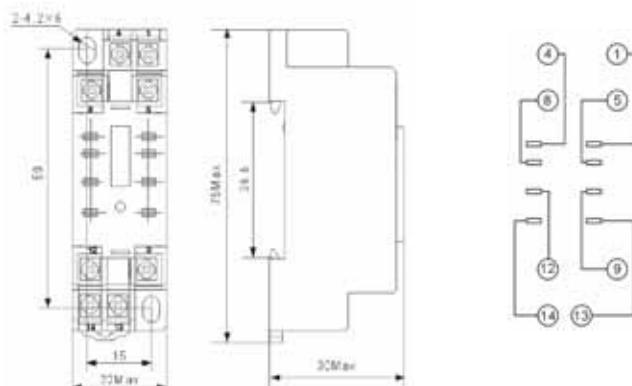
SZR-LY2 Outline & Bottom view



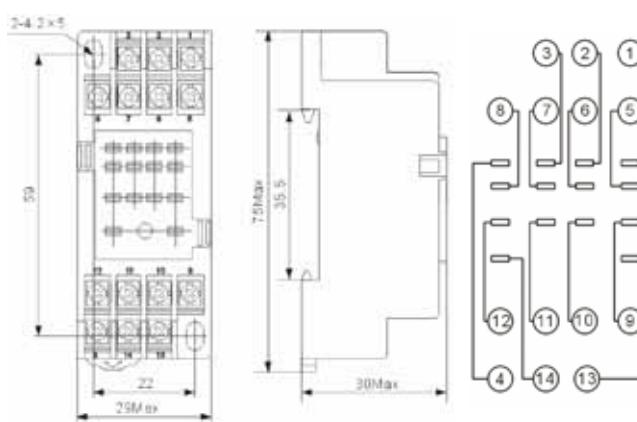
SZR-LY4 Outline & Bottom view



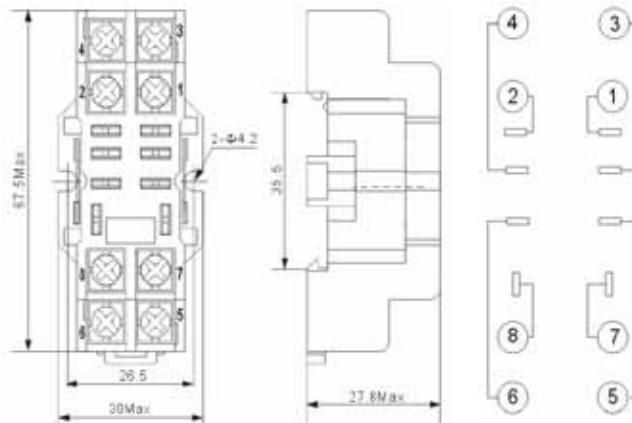
SZX-SMF-08SN outline & install dimension circute diagram



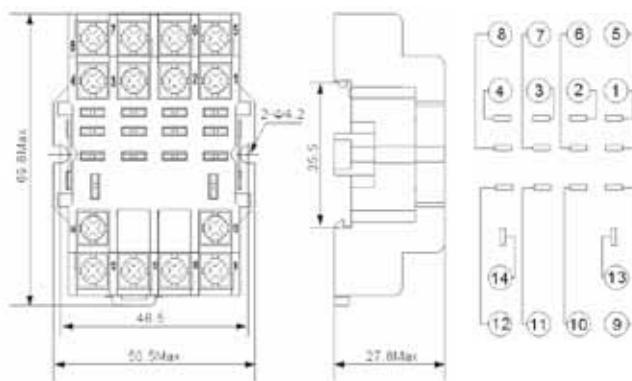
SZX-SMF-14SN outline & install dimension circute diagram



SZX-SLF-08SE outline & install dimension circute diagram



SZX-SLF-14SE outline & install dimension circute diagram



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The Honeywell logo is displayed in a bold, red, sans-serif font. The word "Honeywell" is written in a single, continuous line, with the "H" being significantly larger than the other letters.