



Contact Rating

- Nominal Load (Resistive)
 - Max. Switching Power 10 VA.
 - Max. Switching Voltage 100 VDC.
 - Max. Switching Current 0.5A.
 - Max. Carrying Current 1A.
- Contact Material RU Alloy.
- Contact Form SPST

Performance (at Initial Value)

- Contact Resistance 150 mΩ Max. @100,6VDC
- Operate Time 0.5 mSec. Max.
- Release Time 0.5 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact 1,000 VAC at 50/60 Hz for one minute.
 - Between Contacts 250 VAC at 50/60 Hz for one minute.
- Insulation Resistance 100 MΩ Minimum

Main Feature

1. Epoxy molded Single-In-Line package.
2. Mounting space is less by half compared to Dual-In-Line package.
3. Completely Washable.
4. Provide high speed, miniature and cost effective switching solution.

Application

Security system, Modem and other telecommunication products.

- Temperature Range:
 - Operating -40~85 °C.
 - Storage -40~105 °C.
- Humidity Range 45~85% RH.
- Vibration Resistance 20 g.
- Shock Resistance 100 g.
- Life Expectancy:
 - Electrical 10⁸ Operations at ref. 10VDC, 10mA
- Wight About 1.6g

Safety Standard & Its File Number

- C-UL E141060.

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (mW)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SIR	5	10	500	50	3.75	0.80	16
	12	12	1,000	144	8.60	1.50	24
	24	12	2,000	288	17.50	2.50	32

Ordering Information

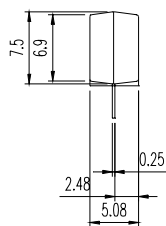
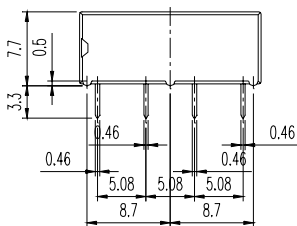
<p>SIR - S 4 - 1 12 A L</p>	<p>Lead Spacing: Nil: Standard Coil L: Lead spacing 10.16mm</p> <p>Contact Form: A: One Form A</p> <p>Coil Voltage: 05: 5V, 12: 12V, 24: 24V</p> <p>Number of Pole: 1: One Pole</p> <p>Lead Number: 4: 4 Leads</p> <p>Coil Construction: S: Standard D: With Diode</p> <p>Type: SIR</p>
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Classification

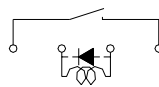
Model	SIR			
Coil Construction	S : Standard		D : With Diode	
Lead Type	4 Leads		4Leads	
Contact Form	1A		1A	
Lead Spacing	Nil : Standard	L : 10.16mm	Nil : Standard	L : 10.16mm
Ordering Type	SIR-S4-1□□A	SIR-S4-1□□AL	SIR-D4-1□□A	SIR-D4-1□□AL

Dimension

SIR-S4-1XXA

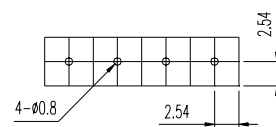


Circuit Schematic



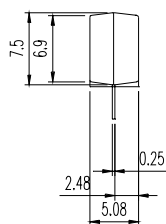
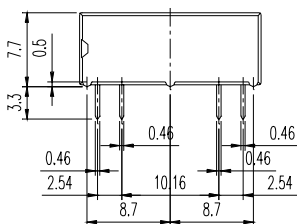
(TOP View)

PCB Layout

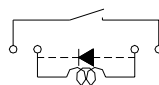


(TOP View)

SIR-S4-1XXAL

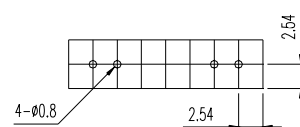


Circuit Schematic



(TOP View)

PCB Layout



(TOP View)