



## Main Feature

1. Single-In-Line package with metal cap.
2. 2.54mm IC terminal arrangement
3. wide operational voltage and low power consumption
4. Provide high speed, miniature and cost effective switching solution.

## Application

Security system, Modem and other telecommunication products.



## 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 ..... Rh Alloy.
- Contact Form ..... SPST

- Temperature Range:
  - Operating ..... -10~60 °C.
  - Storage ..... -20~80 °C.
- Humidity Range..... 45~85% RH.
- Vibration Resistance ..... 20 g.
- Shock Resistance ..... 30 g.
- Life Expectancy:
  - Electrical ..... 10<sup>6</sup> Operations at ref. 10VDC, 10Ma
- Weight.....About 4.2g

## Performance (at Initial Value)

- Contact Resistance.....150mΩMax.@100mA,6VDC
- Operate Time..... 1.0 mSec. Max.
- Release Time ..... 0.5 mSec. Max.
- Dielectric Strength:
  - Between Coil & Contact..... 1,500 VAC at 50/60 Hz for one minute.
  - Between Contacts ..... 200 VAC at 50/60 Hz for one minute.
- Insulation Resistance:..... 100 MΩ Minimum

## 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)
EIR	3	6	500	18	2.4	0.3	4.5
	5	10	500	50	3.2	0.5	7.5
	6	12	500	72	3.8	0.6	9.0
	8	11.4	700	92	6.0	0.8	12.0
	9	12.8	700	116	6.0	0.9	13.5
	12	11.4	1,050	138	8.0	1.2	18.0
	24	11.5	2,080	277	16.0	2.4	36.0

## Ordering Information

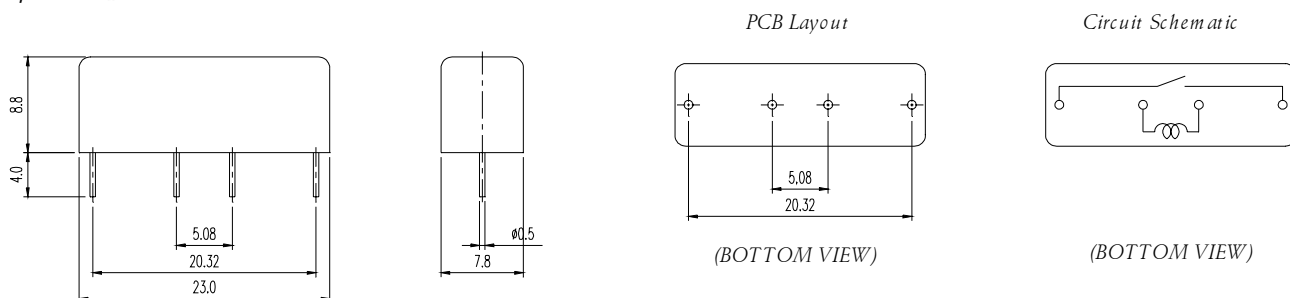
<b>EIR - S 4 - 1 12 A L</b>	<b>Lead Spacing:</b>	<b>Nil:</b> Standard <b>L:</b> Coil lead spacing 10.16 mm
	<b>Contact Form:</b>	<b>A:</b> One Form A <b>B:</b> One Form B
	<b>Coil Voltage:</b>	<b>03:</b> 3V, <b>05:</b> 5V, <b>06:</b> 6V, <b>08:</b> 8V, <b>09:</b> 9V, <b>12:</b> 12V, <b>24:</b> 24V
	<b>Number of Pole:</b>	<b>1:</b> One Pole
	<b>Lead Number:</b>	<b>4:</b> 4 Leads
	<b>Coil Construction:</b>	<b>S:</b> Standard
	<b>Type:</b>	<b>EIR</b>

## Classification

Model	EIR			
Contact Form	1A		1B	
Lead Spacing	Standard	Coil Lead 10.16mm	Standard	Coil Lead 10.16mm
Ordering Type	EIR-S-41□□A	EIR-S-41□□AL	EIR-S-41□□B	EIR-S-41□□BL

## Dimension

*EIR-S4-1XXA*



*EIR-S4-1XXAL*

