

S8 Relay Series

Miniature high voltage relay



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

The S8 series is a miniature high voltage reed relay for applications where space saving is a prime consideration.

The coil pins are positioned near the centre of the relay while the contact pins are near the ends to give improved isolation between the High Voltage contacts and the low voltage coil.

- **Space saving package**
- **Isolation Voltage across contacts 4kV or 5kV (dependant on coil voltage)**
- **Isolation Voltage 7kV contact to coil**
- **2.5A carry current**

Contact Specification		5V coil	12V coil	24V coil
Switch action			SPST (Form A)	
Material			Rhodium	
Isolation across contacts	kV DC or AC peak	4	4	5
Switching Power Max.	VA		100	
Switching Voltage Max.	V		350dc/300ac	
Switching Current Max.	A DC or AC peak		1.0	
Carry Current Max.	A DC		2.5	
Capacitance across contacts	pF		<0.1	
Lifetime	operations		10 ⁹	
			10 ⁷	
			80 (30)	
Insulation Resistance	Umin (typical)		10 ¹⁰ (10 ¹³)	

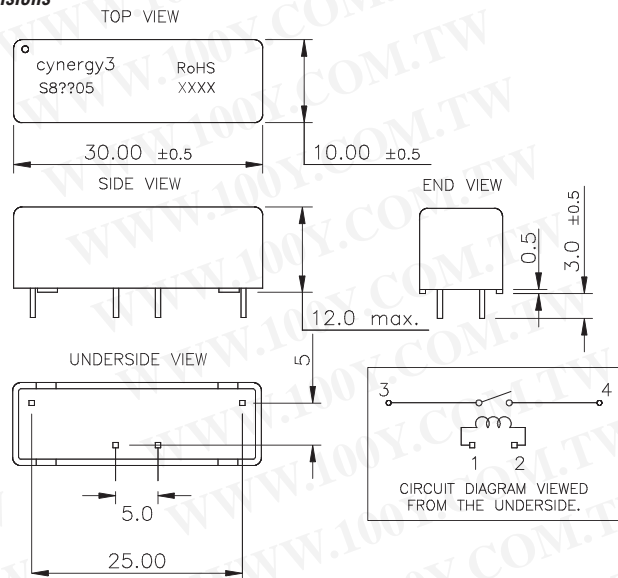
Coil Specification		5V coil	12V coil	24V coil
Must Operate Voltage	V DC	4	9.6	19
Must Release Voltage	V DC	1	2	3
Operate Time	ms diode fitted	1	1	1
Release Time	ms diode fitted	0.5	0.5	0.5
Resistance	Ω	120	750	2000

Relay Specification		5V coil	12V coil	24V coil
Isolation contact/coil	kV		7	
Insulation resistance contact to all terminals	Umin (typical)		TBC	
Environmental				
Operating Temp range	°C	-40 to +85		
Storage Temp range	°C	-40 to +125		

Standard Parts	Coil Volts Vdc	Isolation across contacts kV
S8-0504	5	4
S8-1204	12	4
S8-2405	24	5

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.

Mechanical Dimensions



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Pins 0.635mm Square ±0.05mm.
 Pins 1 & 2 Tin over Nickel plated, on CuSn6 Phosphor Bronze.
 Pins 3 & 4 Tin plated on NiFe Nickel Iron.
 Case Material Nylon.
 Encapsulant: Epoxy