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S8(UL) Series



The S8(UL) 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.

*Consult factory for UL ratings

These products have been UL approved for use as per pollution degree 2 classification.

If you require further information as to how this may affect product usage, please contact c3w_sales@sensata.com

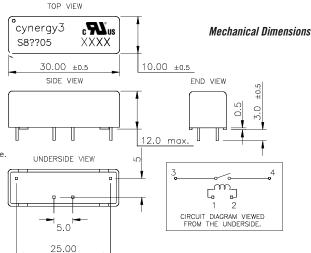
UL Approved* Miniature High Voltage Relay

- Space saving package
- Up to 1000V switching voltage
- Isolation Voltage 7kV contact to coil
- 2.5A carry current
- Isolation Voltage across contacts 4kV or 5kV (dependant on coil voltage)

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C'	T	L		US

Contact Specification	ı	Conditions	5V coil	12V coil	24V coil	
Switch action			SPST (Form A)			
Material				Rhodium		
Isolation across contact	ts	kV DC or AC peak	4	4	5	
Switching Power Max.		VA (W for V variants)		100		
Switching Voltage Max.		V	350dc/300ac (1000Vdc & ac peak for V variants)			
Switching Current Max.		A DC or AC peak		1.0		
Carry Current Max	Α	DC		2.5		
	pF	coil to screen		0.5 (typical)		
contacts		grounded				
Lifetime operations		dry switching		10°		
		100W switching		10 ⁷		
		max		150		
Insulation Resistance 9	Ω m	in (typical)		10 ¹⁰ (10 ¹³)		
Coil Specification						
Must Operate Voltage \		DC	4	9.6	19	
Must Release Voltage \		DC	1	2	3	
		diode fitted	1	1	1	
		diode fitted	0.5	0.5	0.5	
moorotunoo .	Ω		120	750	1550	
Relay Specification	ge an	d coil resistance will change at a rate of (0.4% per degree C. Va	alues are stated at ro	oom temperature (20 degrees C)	
Isolation contact/coil	LV			7		
Insulation resistance c		act		,		
		in (typical)		TBC		
Environmental	22111	ili (typicai)		TDC		
Operating Temp range ^o	°C			-40 to +85		
	°C			-40 to +125		
otorago romp rango	•	Volts Vdc Isolation acro	ss contacts kV		g Voltage Vdc (Vac peak)	
	5	Total Tuo	4	max. ou tomin	350 (300)	
	5		4		1000 (1000)	
	12		4		350 (300)	
	12		4		1000 (1000)	
	24		5		350 (300)	
	24		5		1000 (1000)	
Custom versions can be designed for particular applications. Please contact Cynergy3 with your requirements						

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Pins 0.635mm Square ± 0.05 mm. Pins 1 & 2 Tin over Nickel plated, on CuSn6 Phospher Bronze. Pins 3 & 4 Tin plated on NiFe Nickel Iron.

Case Material Nylon. Encapsulant: **Epoxy**