## S8(UL) Series

## UL Approved\* Miniature High Voltage Relay





- 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)





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 sales@cynergy3.com.

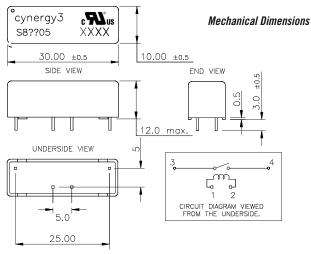
Contact Specification	n	Conditions	5V coil	12V coil	24V coil
Switch action				SPST (Form	A)
Material				Rhodium	
Isolation across contac	cts	kV DC or AC peak	4	4	5
Switching Power Max.		VA (W for -V variants)		100	
Switching Voltage Max.		V	350dc/300ac (1000Vdc & ac peak for -V variants)		
Switching Current Max.		A DC or AC peak		1.0	
Carry Current Max	Α	DC		2.5	
Capacitance across	pF	coil to screen		0.5 (typical)	
contacts		grounded			
Lifetime operations		dry switching		10°	
		100W switching		107	
Contact Resistance		max		150	
Insulation Resistance	$\Omega$ m	in (typical)		10 <sup>10</sup> (10 <sup>13</sup> )	
Coil Specification					
Must Operate Voltage		DC	4	9.6	19
Must Release Voltage	٧	DC	1	2	3
Operate Time	ms		1	1	1
Release Time		diode fitted	0.5	0.5	0.5
Resistance	Ω		120	750	1550
Note. The operate / release voltage and coil resistance will change at a rate of 0.4% per degree C. Values are stated at room temperature (20 degrees C)					
Relay Specification Isolation contact/coil	LV			7	
Insulation resistance		a a t		1	
				TBC	
to all terminals	77111	in (typical)		IDU	
Environmental	0.0			40 + 05	
Operating Temp range				-40 to +85	
Storage Temp range	°C	Valta Vda Indiation com	aa aantaata kV	-40 to +125	w Waltawa Wda (Waa maak)
Standard Parts		Volts Vdc Isolation acro		max. Switching	g Voltage Vdc (Vac peak)
S8-0504U	5		4		350 (300)
S8-0504VU	5		4		1000 (1000)
S8-1204U	12		4		350 (300)
S8-1204VU	12		4		1000 (1000)
S8-2405U	24		5 5		350 (300)
S8-2405VU	24		5		1000 (1000)

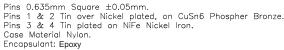
Custom versions can be designed for particular applications. Please contact Cynergy3 with your requirements.

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#### ISO9001 CERTIFIED

S8(UL) Series 2019







TOP VIEW

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### Sensata:

S8-0504U S8-1204U S8-2405U