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)



Made in the UK www.cynergy3.com



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.

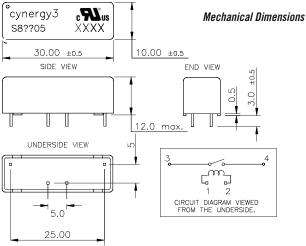
*Consult factory for UL ratings

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 Specificatio	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)	0501 (000	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	A	DC		2.5	
Capacitance across	pF	coil to screen		0.5 (typical)	
contacts		grounded		10°	
Lifetime operations		dry switching		10 10 ⁷	
Contact Resistance	m ()	100W switching max		150	
Insulation Resistance				$10^{10} (10^{13})$	
Coil Specification	12111	пі (сурісат)		10 (10)	
Must Operate Voltage	V	DC	4	9.6	19
Must Release Voltage		DC	1	2	3
Operate Time		diode fitted	1	1	1
Release Time		diode fitted	0.5	0.5	0.5
Resistance	Ω		120	750	1550
Note. The operate / release volta	ige an	d coil resistance will change at a rate of ().4% per degree C. Va	alues are stated at ro	oom temperature (20 degrees C)
Relay Specification					
Isolation contact/coil				7	
Insulation resistance					
to all terminals	Ω m	in (typical)		TBC	
Environmental					
Operating Temp range				-40 to +85	
Storage Temp range	°C			-40 to +125	
Standard Parts		Volts Vdc Isolation acro	ss contacts kV	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		350 (300)
S8-2405VU	24		5		1000 (1000)

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



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

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ISO9001 CERTIFIED

S8(UL) Series 2019

TOP VIEW