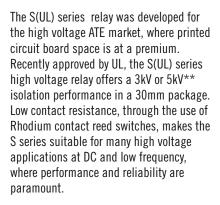
S(UL) Series

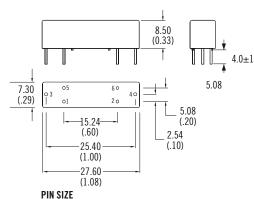
UL Approved* High Voltage Relays





Mechanical Dimensions

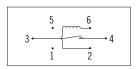
All dimensions are in Milliemetres (inches)



PINS 1, 2, 5 & 6 0.7 Square (0.025")

PINS 3 & 4 0.8 (0.031") dia.

Relay Circuit Diagram



(Viewed from Underside)

Pin 1 is top left, when respect to part marking

viewed from above, with

- Compact footprint
- Designed specifically for High Voltage ATE
- Rhodium contacts for Low Contact Resistance
- 3kV or 5kV** Isolation between contacts and 5kV isolation between contacts and coil
- Excellent lifetime characteristics

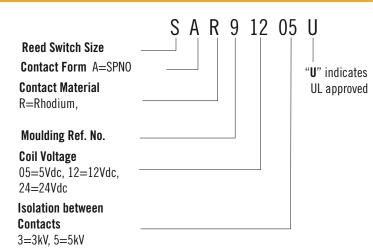


Contact Specification Unit	t Condition	3	kV SPNI	0	5kV S	PNO		
Contact Material			Rhodium		Rhodium			
Isolation across contacts	kV DC or AC peak	3			5*			
Switching Power Max.	W	1	10		10			
Switching Voltage Max.	V DC or AC peak	20			20			
Switching Current Max.	A DC or AC peak	0.5			0.5			
Carry Current Max	A DC or AC peak	1.5			1.5			
Capacitance across contacts	s pF coil to screen grounded		<0.1		< 0.1			
Lifetime operations	ifetime operations dry switching		10°			109		
	10W switching		.0 ⁶		10 ⁶			
Contact Resistance $m\Omega$ max (typical)			80 (30)			80 (30)		
Insulation Resistance Ωmin (typical)			10 ¹⁰ (10 ¹³)			1010 (1013)		
**DC only, Pin 3 at high voltage								
Coil Specification at 20°C		5V	12V	24V	5V	12V	24V	
M 10 1 1/1	V 50	0.7	•		0.7	0	00	
Must Operate Voltage	V DC	3.7	9	20	3.7	9	20	
Must Release Voltage	V DC	0.5	1.25	4	0.5	1.25	4	
Operate Time	ms diode fitted	1.0	1.0	1.0	1.0	1.	10	
Release Time	ms diode fitted	0.5	0.5	0.5	0.5	0.5	0.5	
Resistance	Ω	140	600	1000	140	600	1000	
Relay Specification								
Isolation contact/coil	kV	5	5		5			
Insulation resistance contact	t							
to all terminals			10 ¹⁰ (10 ¹³)		10 ¹⁰ (10 ¹³)			
Envirnonmental								
Operating Temp range	°C	-20 to +70		-20 to +70				
Weight	gm	3	3.1	ı	3.1			
=	-							

*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.

Part Numbering System







Cynergy3 Components Ltd. 7 Cobham Road

Ferndown Industrial Estate

S(UL) Series 2019



www.cynergy3.com

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