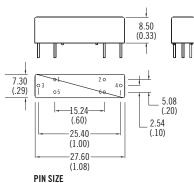


S series high voltage reed relays 5kV, 10W

The S series was developed for the high voltage ATE market, where printed circuit board (PCB) space is at a premium, the S series high voltage reed relay offers a 3 or 5* kV isolation performance in a 30mm size package. With low contact resistance, the S series is suitable for many high voltage applications at DC and low frequency, where performance and reliability are paramount.

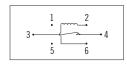
Mechanical Dimensions

All dimensions are in Milliemetres (inches)



PINS 1, 2, 5 & 6 0.7 Square (0.025") PINS 3 & 4 0.8 (0.031") dia.

CIRCUIT DIAGRAM



(Viewed from Underside)

Cynergy3 Components Ltd. 7 Cobham Road Ferndown Industrial Estate Wimborne, Dorset BH21 7PE Telephone +44 (0) 1202 897969

Email:sales@cynergy3.com

cynergy components



- # Compact Footprint
- # Designed Specifically for High Voltage
- # Rhodium Contacts for Low Resistance
- # 3 or 5kV * Isolation Between Contacts
- # Excellent Lifetime Characteristics

Contact	Units	Conditions	3kV Form A	5kV Form A
Contact Materials			Rhodium	Rhodium
Isolation Across Contacts	kV	DC or AC peak	3	5*
Max. Switching Power	W		10	10
Max. Switching Voltage	٧	DC or AC peak	20	20
Max. Switching Current	А	DC or AC peak	0.5	0.5
Max. Carry Current	А	DC or AC rms (60Hz)	1.5	1.5
Capacitance Across Contac	ts pF	Coil/Screen Grounded	<0.1	<0.1
Lifetime	Operations	Dry Switching	10 ⁹	10 ⁹
Lifetime	Operations	10W Switching	108	108
Contact Resistance	m0hms	Maximum (Typical)	80 (30)	80 (30)
Insulation Resistance Conta to All Other Terminals	act Ohms	Minimum (Typical)	10 ¹⁰ (10 ¹³)	10 ¹⁰ (10 ¹³)
Coil at 20℃			5V 12V 24V	5V 12V 24V
Must Operate	V	DC	3.7 9 20	3.7 9 20
Must Release	V	DC	0.5 1.25 3	0.5 1.25 3
Operate Time	ms	Diode Fitted	1.0 1.0 1.0	1.0 1.0 1.0
Release Time	ms	Diode Fitted	0.5 0.5 0.5	0.5 0.5 0.5
Resistance	Ohms		140 600 1000	140 600 1000
Construction				
Isolation Contact to Coil to All Other Terminals	kV Ohms	DC or AC peak Minimum (Typical)	5	5
Environmental				
Operating Temperature Ran	ge °C	-20 to +70	-20 to +70	
Cynergy3 Parts Coil Voltage Vdc Isolation kV Contact Material				

Cynergy	y3 Parts Coil Volta	ige Vdc - Isolation kV	Contact Material
SAR905	03 5	3	Rhodium
SAR912	03 12	3	Rhodium
SAR924	.03 24	3	Rhodium
SAR905	05 5	5	Rhodium
SAR912	05 12	5	Rhodium
SAR924	05 24	5	Rhodium

Part Numbering System Reedswitch Size SAR91205 ContactForm A Contact Material R: Rhodium Moulding Reference Number Coil Voltage 05:5V, 12:12V, 24:24V Isolation Between Contacts 03:3kV, 05:5kV

* DC only, Pin 3 +HV

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