



S SERIES HIGH VOLTAGE RELAYS



The S series relay was developed for the high voltage ATE market, where printed circuit board space is at a premium.

The S series high voltage relay offers a 3kV or 5kV* isolation performance in a 30mm package.

Low contact resistance, through the use of Rhodium contact reed switches, makes the S series suitable for many high voltage applications at DC and low frequency, where performance and reliability are paramount.

Features

- 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



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)

SPECIFICATIONS



Relay	Unit	Condition	3kV SPNO	5kV SPNO
Isolation Contact/Coil	kV		5	5
Insulation Resistance Contact to all Terminals	Ω min (typical)		10 ¹⁰ (10 ¹³)	10 ¹⁰ (10 ¹³)
Environmental Conditions				
Operating Temperature Range	J₀		-20 to +70	-20 to +70
Weight	gm		3.1	3.1

Please refer to this document for circuit design notes: https://www.cynergy3.com/blog/reed-relay-application-notes



DIMENSIONS

All dimensions are in millimeters.



(Viewed from Underside)



ORDERING		10			
S	Α	R	9	12	05
	<u> </u>	<u> </u>			
Reed Switch Size					
Contact Form					
A = SPNO					
Contact Material					
R = Rhodium					
Moulding Ref. No.					
Coil Voltage					
05 = 5Vdc					
12 = 12 Vdc					
24 = 24Vdc					
Isolation Retween Contacts					
Isolation Detween Contacts	נ				
3 = 3kV					
5 = 5kV					

Made in the UK

Page 3

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