



| 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

SPECIFICATIONS

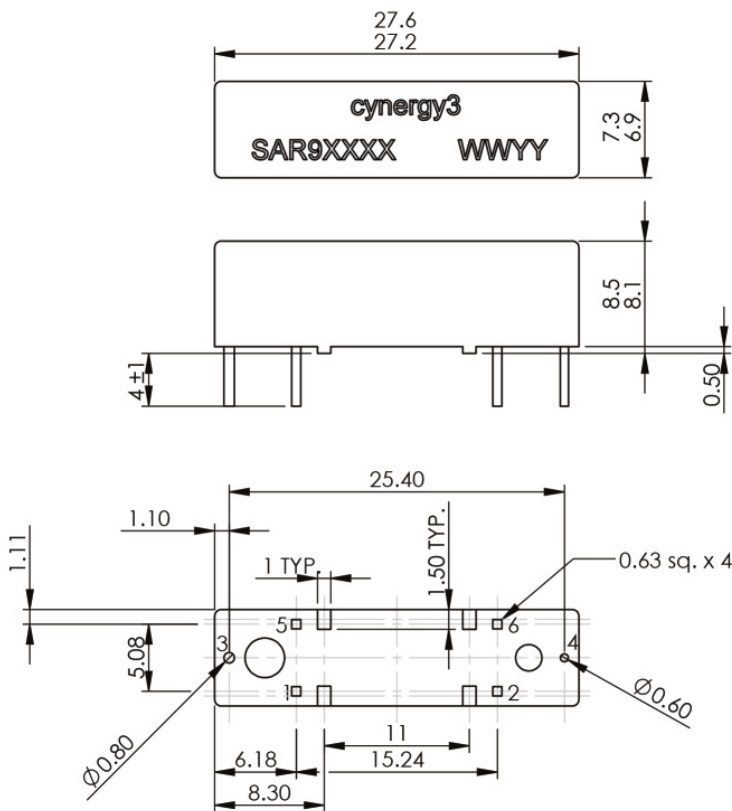
Contact	Unit	Condition	3kV SPNO			5kV SPNO		
Contact Material								
Isolation Across Contacts								
Switching Power Max.								
Switching Voltage Max.								
Switching Current Max.								
Carry Current Max								
Capacitance Across Contacts								
Lifetime Operations								
Contact Resistance	Ω							
Insulation Resistance	Ω							
*DC only, Pin 3 at high voltage								
Coil Specification at 20°C			5V	12V	24V	5V	12V	24V
Must Operate Voltage								
Must Release Voltage								
Operate Time								
Release Time								
Resistance	Ω							

Relay	Unit	Condition	3kV SPNO	5kV SPNO
Isolation Contact/Coil				
Insulation Resistance Contact to all Terminals	Ω			
Environmental Conditions				
Operating Temperature Range				
Weight				

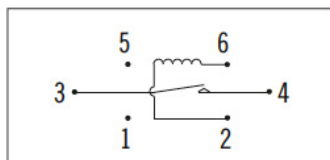
Please refer to this document for circuit design notes:
<https://www.cynergy3.com/blog/reed-relay-application-notes>

DIMENSIONS

All dimensions are in millimeters.



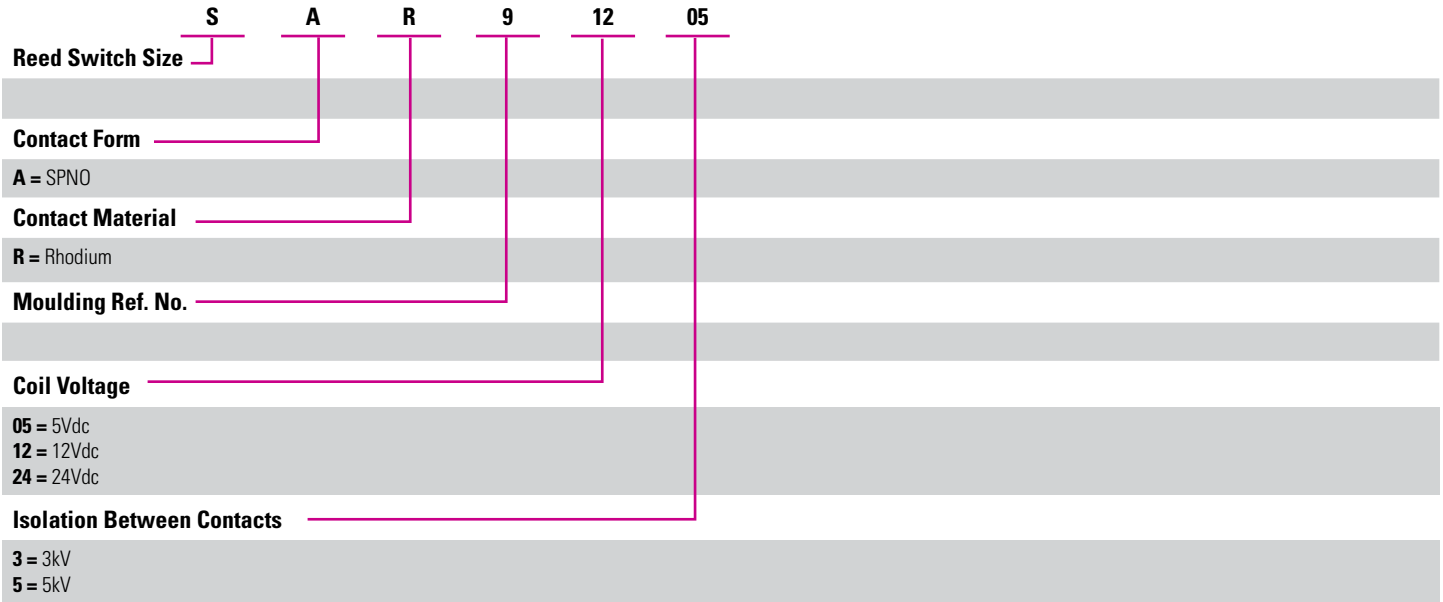
Relay Circuit Diagram



(Viewed from Underside)

Pin 1 is top left, when viewed from above, with respect to part marking

ORDERING OPTIONS



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