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

S Series
5kV, 10W

Developed for the high voltage ATE market, where PCB space is at a premium, the S Series High Voltage Reed Relay offers a 3 or 5kV isolation performance in a 30mm size package. With low contact resistance, the S Series High Voltage Reed Relay will satisfy the many high voltage applications at DC and low frequency, where performance and reliability are paramount.

CONTACT	UNITS	CONDITIONS	3KV FORM A	5KV FORM A
Contact material			**Rhodium**	**Rhodium**
Isolation across contacts	kV	DC or AC peak	3	5
Max. carry current	A	DC or AC rms (60Hz)	2	2
Max. switching power	W		10	10
Max. switching voltage	V	DC or AC peak	20	20
Max. switching current	A	DC or AC peak	0.5	0.5
Capacitance across contacts	pF	coil/screen grounded	<0.1	<0.1
Lifetime	operations	dry switching	10^9	10^9
Lifetime	operations	10W switching	10^8	10^8
Contact resistance	mOhms	maximum (typical)	80 (30)	80 (30)
Insulation Resistance	Ohms	minimum (typical)	10^{10} (10^{13})	10^{10} (10^{13})
COIL AT 20°C			**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 2	0.5 1.25 2
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	kV	DC or AC peak	3	5*
to all other terminals	Ohms	minimum (typical)	10^{10} (10^{13})	10^{10} (10^{13})
ENVIRONMENTAL				
Operating temperature range	°C		-20 to +70	-20 to +70

CONTACT US NOW

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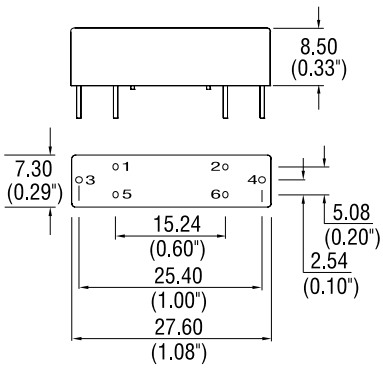
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PART NUMBERING SYSTEM S A R 9 12 05

Reedswitch Size - S
Contact Form
A: Form A
Contact Material
R: Rhodium
Moulding Ref. No.
Coil Voltage
05: 5V, **12:** 12V, **24:** 24V
Isolation Between Contacts
03: 3kV **05:** 5kV

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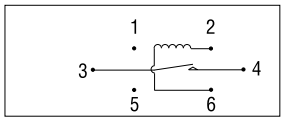
MECHANICAL



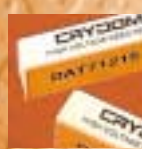
PIN SIZE

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

CIRCUIT DIAGRAM







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