S8 Relay Series

Miniature high voltage relay





- Isolation Voltage across contacts 4kV or 5kV (dependent on coil voltage)
- Isolation Voltage 7kV contact to coil
- 2.5A carry current
- Up to 1000V switching voltage



Contact Specification	Conditions	5V coil	12V coil	24V coil
Switch action			SPST (Form	A)
Material			Rhodium	
Isolation across contacts	kV DC or AC peak	4	4	5
Switching Power Max.	VA (W for -V variants)		100	
Switching Voltage Max.	V	350dc/300ac	(1000Vdc & ac	peak for -V variants)
Switching Current Max.	A DC or AC peak		1.0	
Carry Current Max A	DC		2.5	
Capacitance across pF	coil to screen		0.5 (typical)	
contacts	grounded			
Lifetime operations	dry switching		10 ⁹	
	100W switching		10 ⁷	
Contact Resistance mg	2 max		150	
Insulation Resistance Ω r	nin (typical)		$10^{10} (10^{13})$	
Coil Specification				
Must Operate Voltage V	DC	4	9.6	19
Must Release Voltage V	DC	1	2	3
Operate Time ms	diode fitted	1	1	1
Release Time ms	diode fitted	0.5	0.5	0.5
Resistance Ω		120	750	1550
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)				

reed relay for applications where space saving is a prime consideration. The coil pins are positioned near the centre

The S8 series is a miniature high voltage

of the relay while the contact pins are near the ends to give improved isolation between the High Voltage contacts and the low voltage coil.

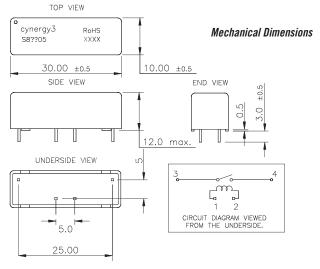
Relay Specification Isolation contact/coil kV Insulation resistance contact to all terminals Ωmin (typical) TBC

Environmental Operating Temp range °C -40 to +85 -40 to +125 Storage Temp range

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300)
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Custom versions can be designed for particular applications. Please contact Cynergy3 with your requirements.

Please refer to this document for circuit design notes:http://www.cynergy3.com/blog/application-notes-reed-relays-0



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ISO9001 CERTIFIED

S8 Series 2018

Pins 0.635mm Square ±0.05mm.
Pins 1 & 2 Tin over Nickel plated, on CuSn6 Phospher Bronze.
Pins 3 & 4 Tin plated on NiFe Nickel Iron.
Case Material Nylon.

