S8 Relay Series

Miniature high voltage relay





- Space saving package
- Isolation Voltage across contacts 4kV or 5kV (dependant 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		peak for -V variants)
Switching Current Max.	A DC or AC peak		1.0	
Carry Current Max A	DC		2.5	
Capacitance across pF contacts	coil to screen grounded		0.5 (typical)	
Lifetime operations	dry switching		10 ⁹	
Litetime operations	100W switching		10 ⁷	
Contact Resistance $m\Omega$! max		150	
Insulation Resistance Ω m			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
Relay Specification				
Isolation contact/coil kV			7	
Insulation resistance contact				
	nin (typical)		TBC	
Environmental 40 to 95				
Operating Temp range °C			-40 to +85	
Storage Temp range °C	Welte Vda Leeletien eeu	tt-\/	-40 to +125	a Voltogo Vdo (Voo nook)
Standard Parts Coil S8-0504 5	l Volts Vdc Isolation acro	oss contacts kV 4	Max. Switchin	g Voltage Vdc (Vac peak) 350 (300)
S8-0504V 5		4		1000 (1000)
S8-1204 12		4		350 (300)
S8-1204V 12		4		1000 (1000)
S8-2405 24		5		350 (300)
00 L 100 LT				

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

10.00 ±0.5

RoHS

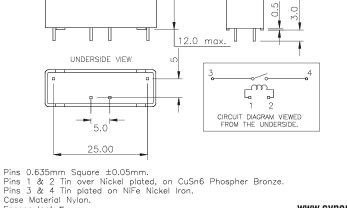
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30.00 ±0.5 SIDE VIEW

The S8 series is a miniature high voltage reed relay for applications where space saving is a prime consideration.

The coil pins are positioned near the centre 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.

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Mechanical Dimensions