



S2 Relay Series

Axial style reed relay



The S2 reed relay series from Cynergy3 has been developed for applications where PCB mounting is not possible.

The relay can be mounted in a variety of methods and orientations to suit particular applications. The leadout wires are flexible enough to allow bending for assembly into equipment.

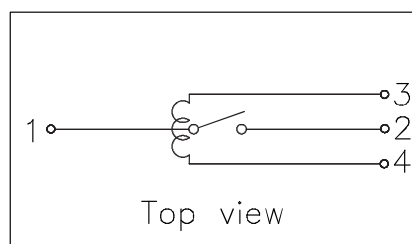
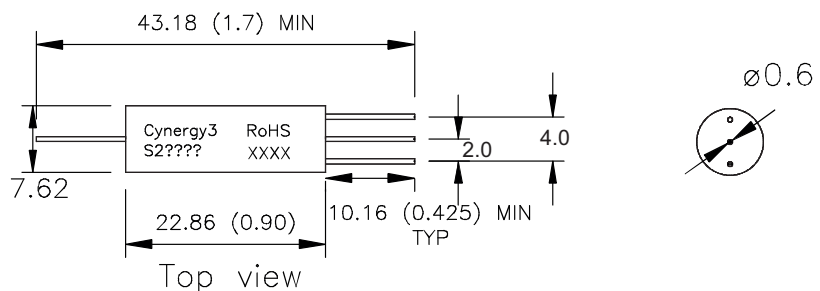
Available with either a 10W or 50W contact in a pressurised reed switch or a 100W contact in an evacuated reed switch.

- Variable mounting options
- 10W, 50W and 100W contact options
- Reliable reed switch contacts

Contact Specification			SPST (Form A)				
Nominal Coil Voltage			3	5,12,24	5,12, 24		
Material				Rhodium			
Switch atmosphere			Pressurised	Pressurised	Evacuated		
Isolation across contacts kV			DC or AC peak	0.2	0.5		
Switching Power Max.			10W	50W/70VA	100VA		
Switching Voltage Max. V			DC or AC peak	200	350dc/300ac		
Switching Current Max. A			DC or AC peak	DC 0.25	DC 1.0		
Carry Current Max A			1		2.5		
Capacitance across pF			coil to screen contacts grounded	<0.1			
Lifetime operations			dry switching	10 ⁹			
			50W switching	10 ⁷			
Contact Resistance mΩ			max (typical)	80 (30)			
Insulation Resistance Ωmin			(typical)	10 ¹⁰ (10 ¹³)			
Coil Specification			3V	5V	12V	24V	
Must Operate Voltage V			DC @ 20°C	2.25	3.7	9	19
Must Release Voltage V			DC @ 20°C	0.5	1	2	3
Operate Time ms			diode fitted	0.1	1.0	1.0	1.0
Release Time ms			diode fitted	0.07	0.5	0.5	0.5
Resistance Ω			@ 20°C	250	160	1000	1000
Relay Specification							
Isolation contact/coil kV			1				
Insulation resistance contact to all terminals Ωmin			(typical) TBC				
Environmental							
Operating Temp range °C			-40 to +85				
Storage Temp range °C			-40 to +125				
Standard Parts		Coil Volts Vdc	Switching Power		Isolation kV		
S2-03P		3	10 VA		0.2		
S2-05P		5	70 VA		0.5		
S2-12P		12	70 VA		0.5		
S2-24P		24	70 VA		0.5		
S2-05E		5	100 VA		1.0		
S2-12E		12	100 VA		1.0		
S2-24E		24	100 VA		1.0		

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

Mechanical Dimensions



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