



## 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.

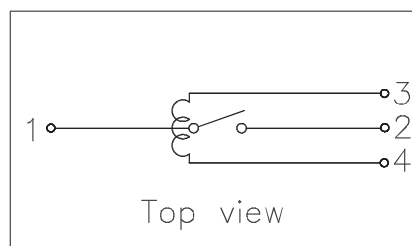
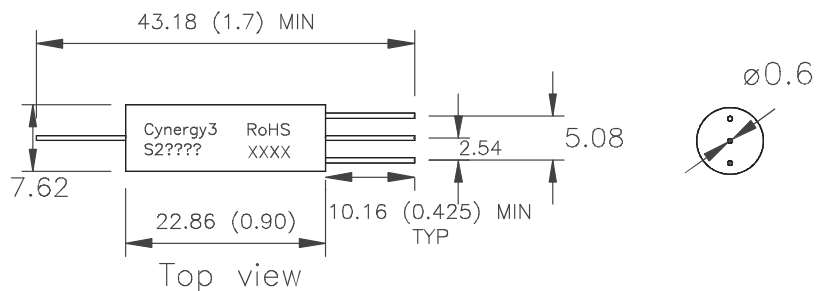
Available with either a 50W contact in a pressurised reed switch or a 100W contact in an evacuated reed switch.

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

Contact Specification		SPST (Form A)		
Material		Rhodium		
Switch atmosphere		Pressurised	Evacuated	
Isolation across contacts kV	DC or AC peak	0.5	1.0	
Switching Power Max.		50W/70VA	100VA	
Switching Voltage Max.	V DC or AC peak		350dc/300ac	
Switching Current Max.	A DC or AC peak	DC0.7/AC0.5	DC 1.0	
Carry Current Max	A		2.5	
Capacitance across	pF coil to screen contacts grounded		<0.1	
Lifetime	operations		10 <sup>9</sup>	
	dry switching		10 <sup>7</sup>	
	50W switching		80 (30)	
Contact Resistance	mΩ max (typical)		10 <sup>10</sup> (10 <sup>13</sup> )	
Insulation Resistance	Ωmin (typical)			
Coil Specification		5V	12V	24V
Must Operate Voltage	V DC @ 20°C	3.7	9	19
Must Release Voltage	V DC @ 20°C	1	2	4
Operate Time	ms diode fitted	1.0	1.0	1.0
Release Time	ms diode fitted	0.5	0.5	0.5
Resistance	Ω @ 20°C	180	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
S2-05P		5	50 W	0.5
S2-12P		12	50 W	0.5
S2-24P		24	50 W	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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