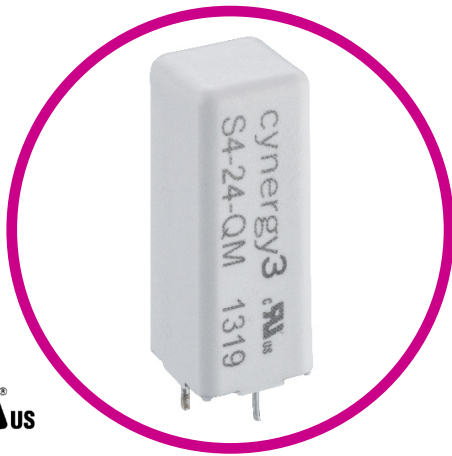




## | S4 SERIES

### VERTICALLY MOUNTED MINIATURE HIGH VOLTAGE REED RELAY



The S4 series is a vertically mounted miniature high voltage reed relay for applications where space saving is a prime consideration.

#### Features

- Space saving package
- Up to 350V switching voltage
- UL\* approved
- 2.5A carry current
- Isolation voltage across contacts - 3kV

## SPECIFICATIONS

Contact	Units	Condition			
Switch Action			SPST (Form A)		
Contact Material			Rhodium		
Isolation Across Contacts	kV	DC or AC peak	3		
Isolation Contact to Coil	kV	DC or AC peak	4		
Switching Power Max.	W		100		
Switching Voltage Max.	V	DC	350		
Switching Current Max.	A	DC	1.0		
Carry Current Max	A	DC	2.5		
Capacitance Across Contacts	pF	coil to screen grounded	0.5		
Contact Resistance	mΩ max		100		
Insulation Resistance	Ωmin (typical)		10 <sup>10</sup>		
Coil			<b>5V coil</b>	<b>12V coil</b>	<b>24V coil</b>
Must Operate Voltage	V	DC	3.75	9	18
Must Release Voltage	V	DC	0.5	1.2	2.4
Resistance	Ω (± 10%)		90	500	1500

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)

Environmental Conditions	Units	Condition
Operating Temp Range	°C	-40 to +85
Storage Temp Range	°C	-40 to +100

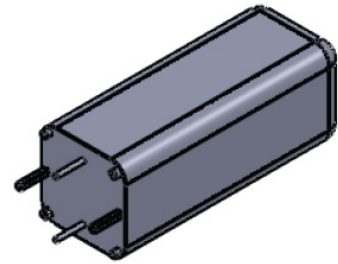
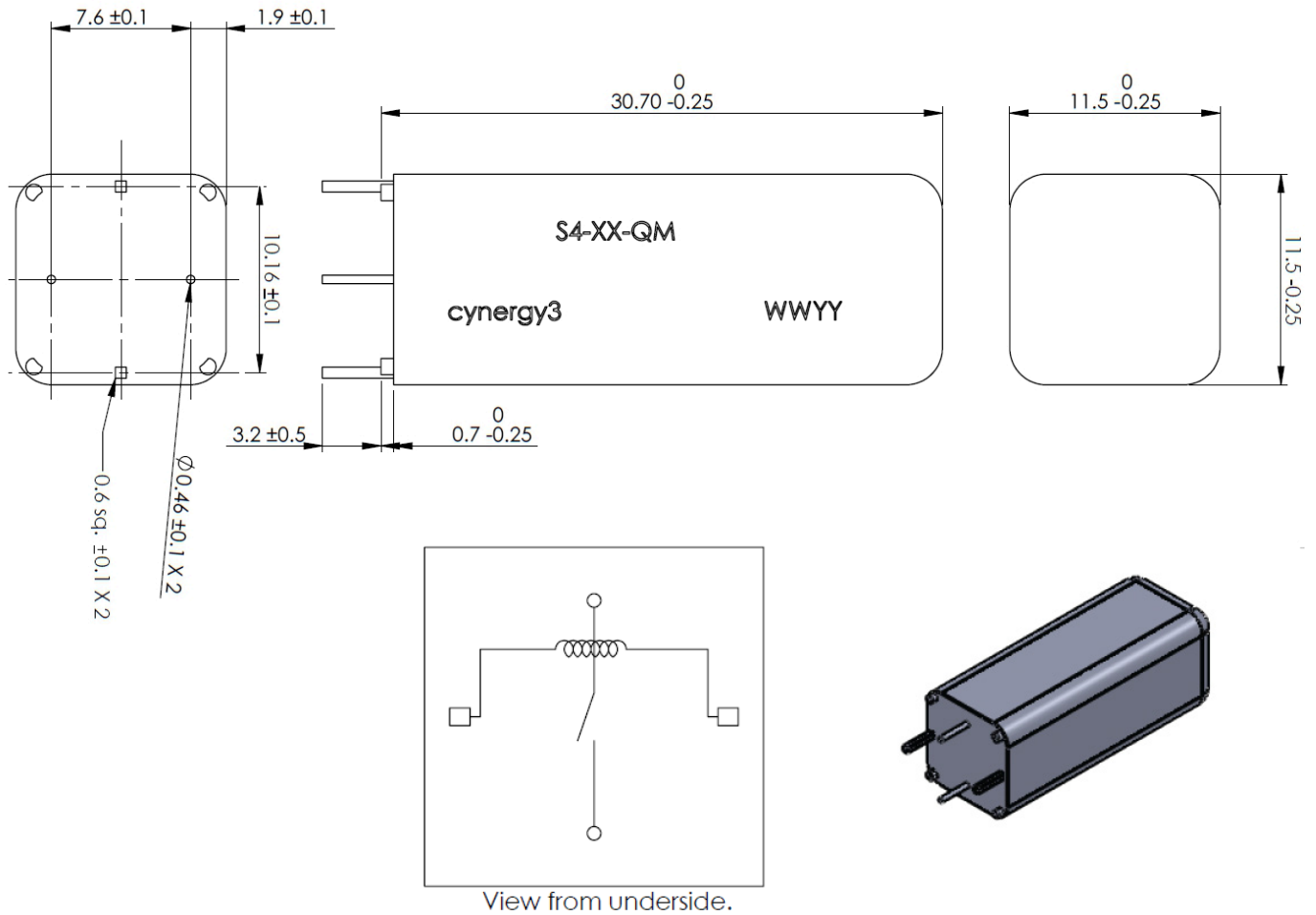
 **STANDARD PARTS**

	Coil Voltage Vdc	Magnetic Screen
<b>S4-05-Q</b>	5	No
<b>S4-05-QM</b>	5	Yes
<b>S4-12-Q</b>	12	No
<b>S4-12-QM</b>	12	Yes
<b>S4-24-Q</b>	24	No
<b>S4-24-QM</b>	24	Yes

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

## DIMENSIONS

All dimensions are in millimeters.



### \*Consult factory for UL ratings

These products have been UL approved for use as per pollution degree 2 classification. If you require further information as to how this may affect product usage, please contact [c3w\\_sales@sensata.com](mailto:c3w_sales@sensata.com).

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