

SRS22 Technical Summary

Selected data compiled from the series SRS22 datasheet

Standard resistance	1 k Ω / 2 k Ω / 5 k Ω / 10 k Ω
Standard resistance tolerance	$\pm 10\%$
Resistance taper	Linear
Linearity range	$\pm 0.25\%$ to $\pm 2\%$, configuration dependent
End resistance	50 Ω maximum
Noise (C.R.V.)	100 mV
Temperature coefficient	600 ppm/ $^{\circ}\text{C}$
Power rating	2 W at 40 $^{\circ}\text{C}$, derated to 0 W at 85 $^{\circ}\text{C}$
Maximum input voltage	50 VDC
Mechanical rotation	360 $^{\circ}$; effective electrical travel depends on angle code
No-load rotational life	5,000,000 cycles; 10,000,000-cycle special option
Life-test acceptance	Total resistance change $\leq \pm 5\%$
Operating temperature	-40 to +105 $^{\circ}\text{C}$
Storage temperature	-45 to +125 $^{\circ}\text{C}$
Protection	IP67 in the supplied datasheet; confirm exact configuration
Shaft torque	100 gf·cm maximum

No-load life is 5 million cycles for the standard reference and 10 million cycles for the special option. IP67 and all electrical performance must be confirmed for the quoted configuration.

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Configuration and integration

Life

P: 5 million; U: 10 million; E: 2 million cycles in the ordering table.

Linearity

A: $\pm 1\%$; B: $\pm 1.5\%$; C: $\pm 2\%$; S: $\pm 0.5\%$; P: $\pm 0.25\%$.

Construction

S / SL / M / T / V types. SL and V use three terminals; S, M and T use four.

Electrical travel

A: $90^\circ \times 2$; B: 280° ; C: $105^\circ \times 2$; D: $20^\circ \times 2$; E: 340° ; F: $115^\circ \times 2$; G: 300° . Match the drawing and angle code.

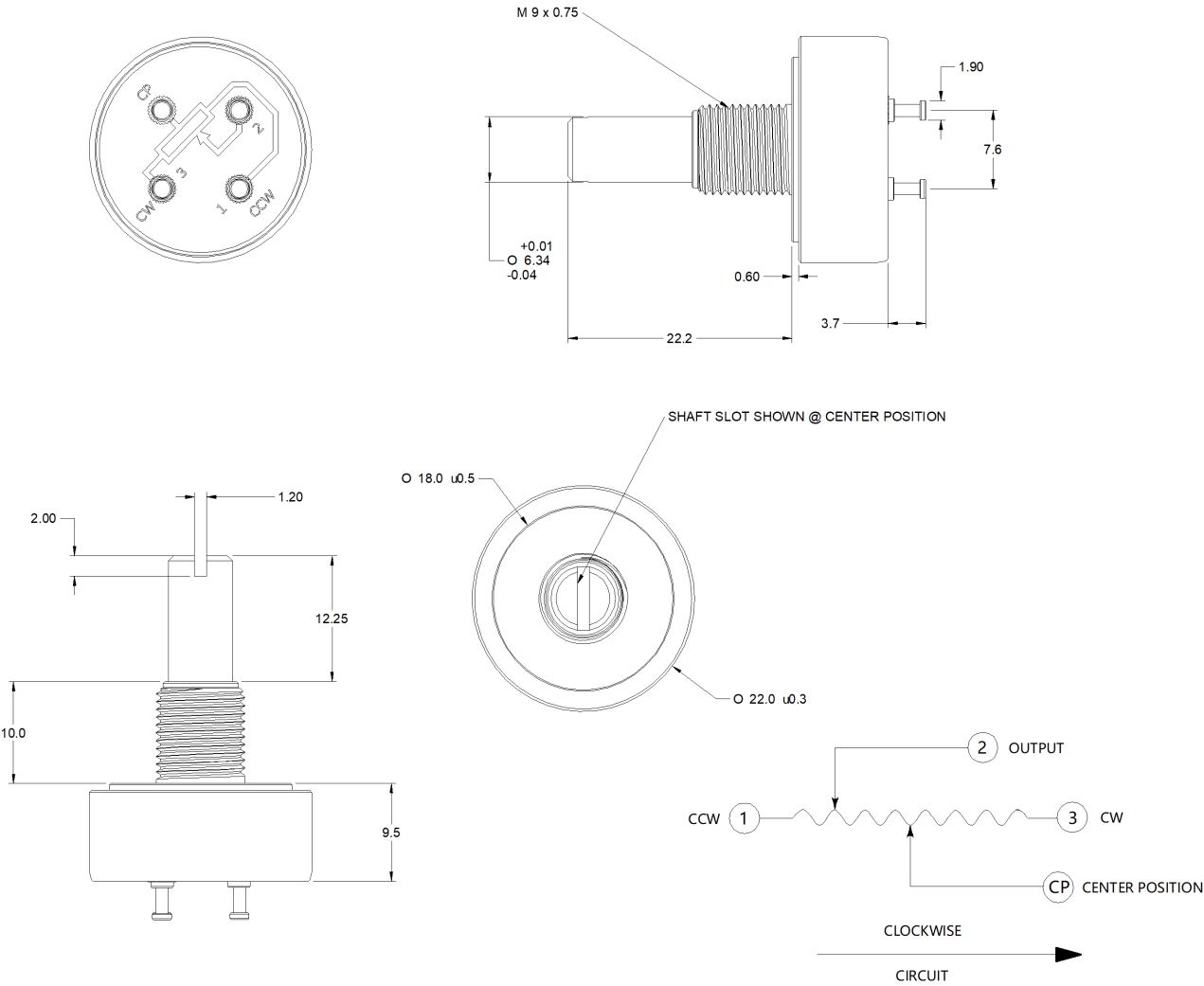
Connections

Terminal 2 is the output in the reference circuits. CW / CCW terminals and the optional CP connection depend on the construction. SL is shown without CP. Use the circuit supplied for the exact type.

Reference information only. Contact hogan@cookagroup.com or WhatsApp +86 17708270160 for the controlled drawing and configuration review.

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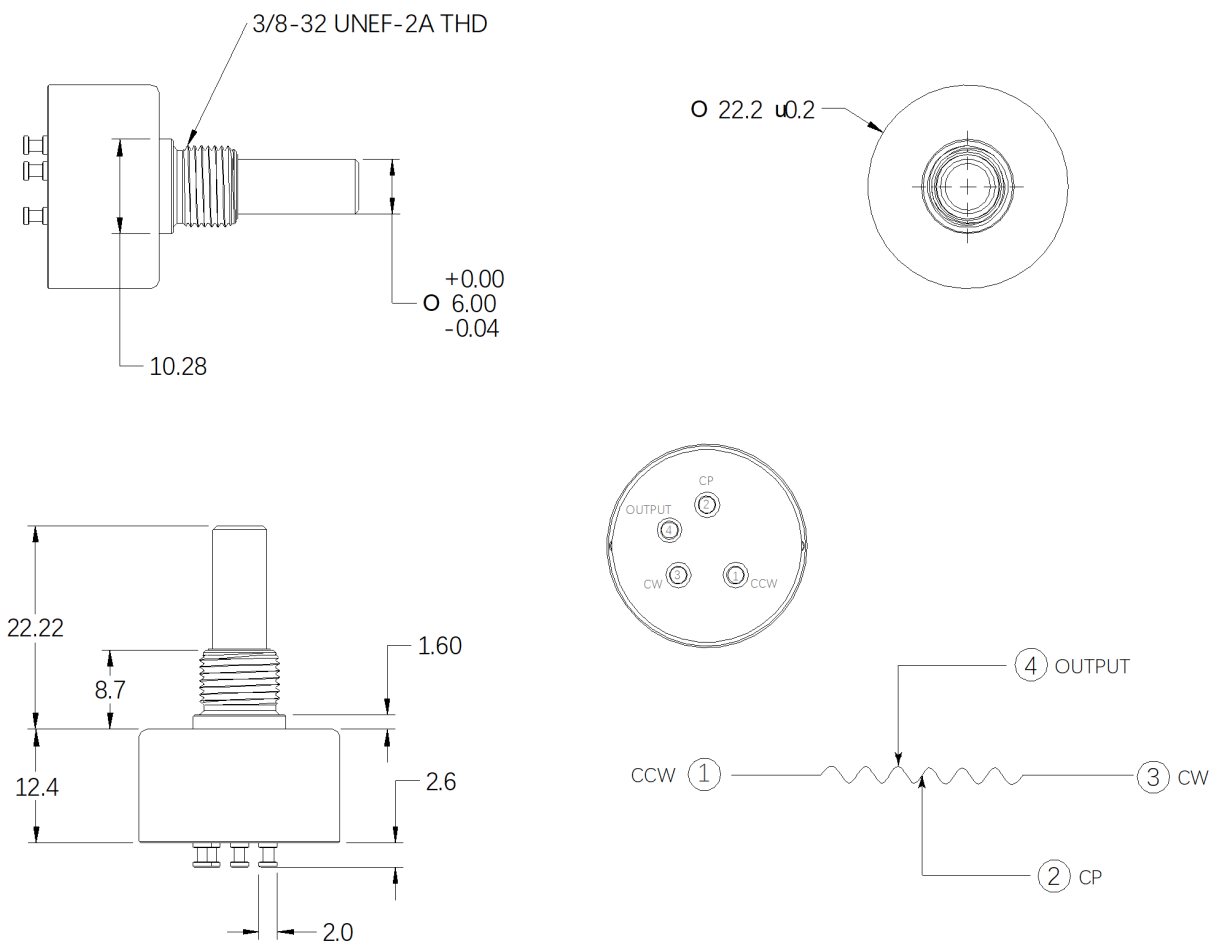
S / SL construction and circuit | dimensions in mm



Source drawing reproduced for reference. Verify terminal view, type and drawing revision for the ordered part.

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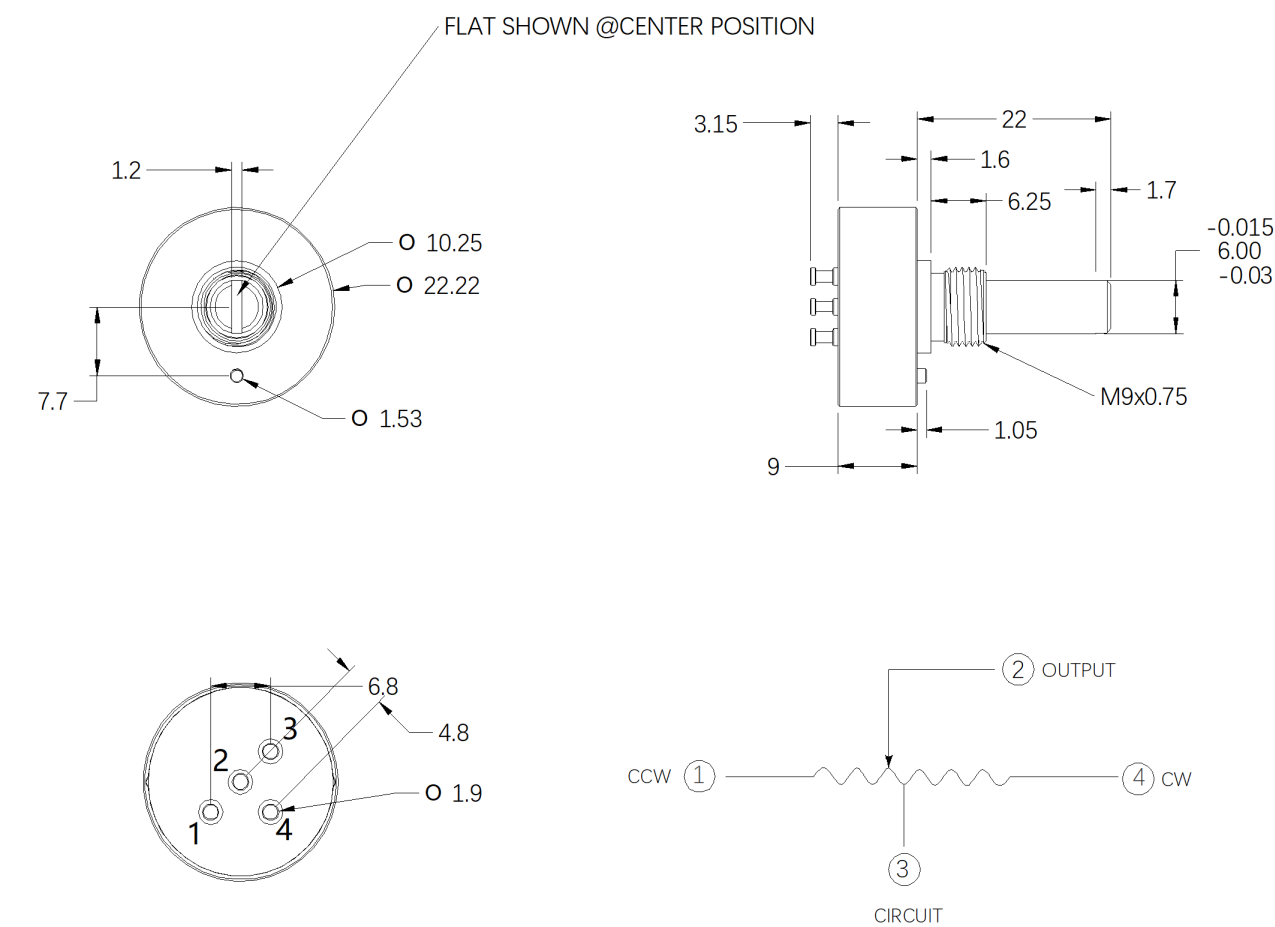
M construction and circuit | dimensions in mm



Source drawing reproduced for reference. Verify terminal view, type and drawing revision for the ordered part.

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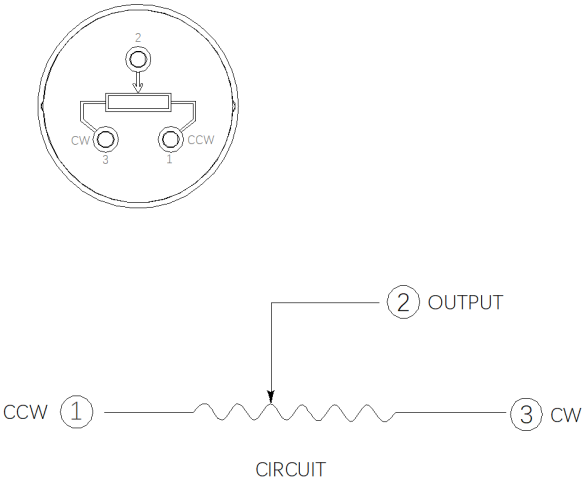
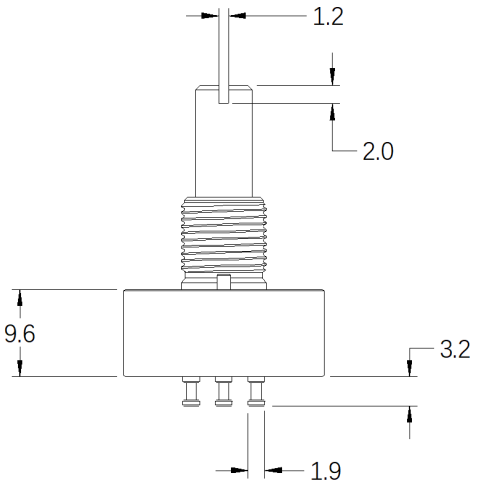
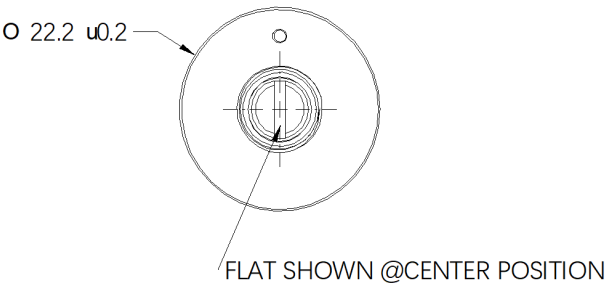
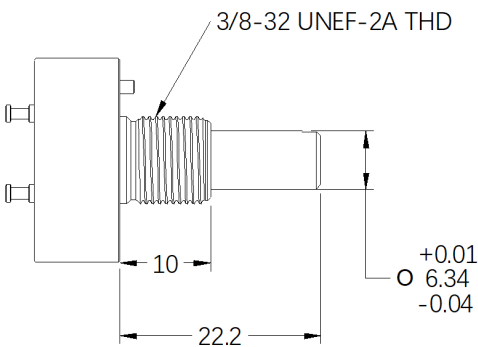
T construction and circuit | dimensions in mm



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V construction and circuit | dimensions in mm



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