

CRS16 Technical Summary

Selected data compiled from the series CRS16 datasheet

Resistance range	200 Ω to 500 k Ω
Standard resistance tolerance	$\pm 20\%$
Resistance taper	Linear
Linearity	$\pm 2\%$ in the electrical table; ordering codes span $\pm 1.5\%$ to $\pm 3\%$
End resistance	20 Ω maximum
Noise (C.R.V.)	200 mV
Power rating	0.25 W at 40 °C, derated to 0 W at 85 °C
Maximum input voltage	50 VDC
Mechanical angles	180° / 300° / 312° / 360°, configuration dependent
No-load rotational life	1,000,000 cycles; 2,000,000-cycle ordering option
Life-test acceptance	Total resistance change $\leq \pm 5\%$
Operating temperature	-30 to +85 °C
Storage temperature	-40 to +105 °C
Protection	IP65
Operating torque	40 gf·cm maximum

Linearity and life depend on the order code. Continuous mechanical rotation does not imply 360° effective electrical travel.

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Configuration and integration

Shaft & bushing

Flat, slotted or round shafts; 6.35 mm or 10 mm bushings; 20 mm or 25 mm FMS options.

Rotation

A: 300° mechanical / 280° electrical; B: 360° / 340°; C: 360° / 320°.

Precision

Linearity codes A $\pm 1.5\%$, B $\pm 2\%$, C $\pm 2.5\%$, blank $\pm 3\%$. Resistance tolerance $\pm 10\%$ or $\pm 20\%$.

Life

S: 1 million cycles; P: 2 million cycles.

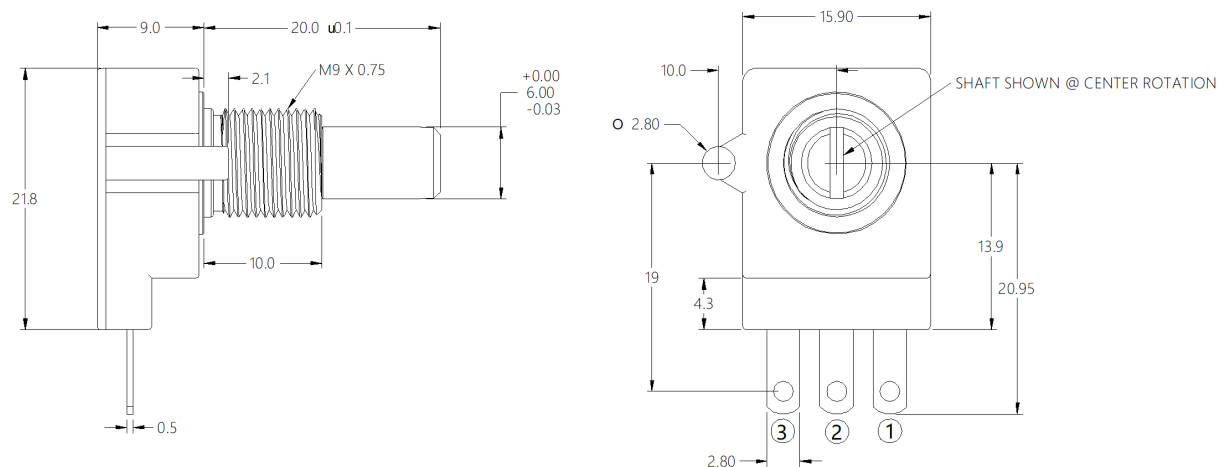
Connections

Reference circuit: terminal 2 is the output; terminal 1 is CW and terminal 3 is CCW. Match the terminal view to the assembly drawing.

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

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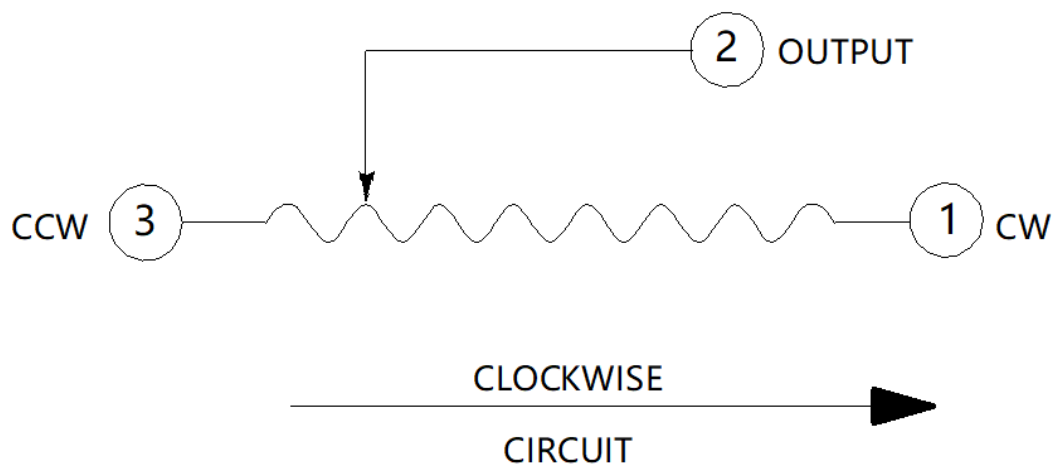
Reference mounting dimensions | dimensions in mm



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

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Clockwise circuit reference | dimensions in mm



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