

MSV05 Technical Summary

Selected data compiled from the series MSV05 datasheet

Mechanical travel	60 mm / 100 mm
Standard resistance	5 k Ω / 10 k Ω
Standard resistance tolerance	$\pm 20\%$
Resistance taper	Linear
Linearity	$\pm 2\%$ maximum
End resistance	30 Ω maximum
Noise (C.R.V.)	100 mV maximum
Element power rating	0.25 W at 40 °C, derated to 0 W at 85 °C
Maximum element input voltage	200 VDC; this is not a motor supply rating
No-load operating life	2,000,000 cycles; L order code is 1,000,000 cycles
Operating temperature	-10 to +70 °C
Storage temperature	-20 to +85 °C

The 2 million-cycle value applies to the blank life code. The L configuration is rated at 1 million cycles. Element input voltage must not be used as the motor supply voltage.

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Configuration and integration

Travel & lever

60 mm / 100 mm travel; T, TL and TA lever styles.

Connector

Blank: FFC-1.0-10P; P: PH-7P.

Life code

Blank: 2 million cycles; L: 1 million cycles.

Resistance tolerance

A $\pm 10\%$ or B $\pm 20\%$. Confirm the motor driver and wiring for the selected configuration.

Connections

Connector choices are FFC-1.0-10P and PH-7P. Obtain the pinout matched to the travel, lever and connector code; motor supply and current are not specified in the supplied datasheet.

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

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T type / 60 mm travel | reference dimensions

Reference body length: 120 mm.

Mounting centres: 112.1 $\pm$ 0.3 mm.

Body width: 12.3 mm. Drawing height: 45.0 $\pm$ 0.3 mm.

Dimensions are specific to the supplied T-type 60 mm drawing. Other types require their own controlled drawing.

A clean approved dimensional drawing and connector pinout are available by request.