

Features

- Measuring range 10-200 mm
- Long mechanical life
- Excellent repeatability <0.01 mm
- Infinite resolution
- 2 kOhm: 10-50 mm
- 5 kOhm: 75-200 mm

RS PRO Motion Control Sensor

Linear Potentiometers

Stock No.. 0100404

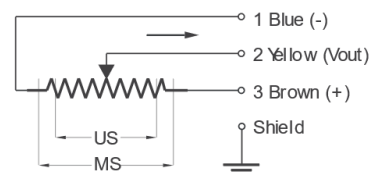
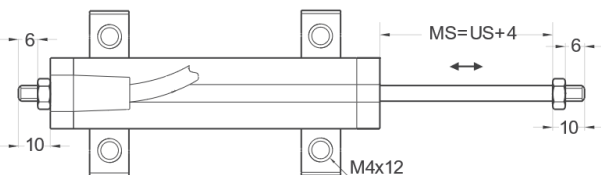
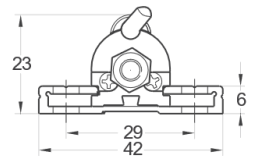
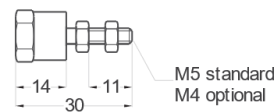
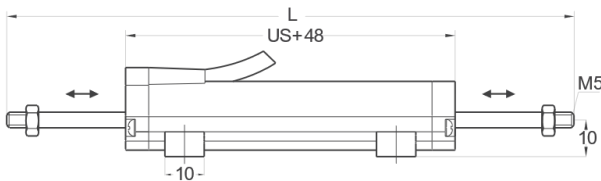


RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

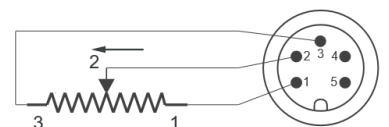
Product Description

Series designed as compact, highly robust, accurate linear position sensors, using potentiometric technology, up to 200 mm measuring length.
Series linear position sensors provides absolute linear position feedback for wide range of industrial applications.

Mechanical Specifications



SLPKS (mm)	10	25	50	75	100	125	150	175	200
US (Usefull stroke)	10	25	50	75	100	125	150	175	200
MS (Mechanical stroke)	14	29	54	79	104	129	154	179	204
L (Total length)	92	122	172	222	272	322	372	422	472



General Specifications

Measurement stroke	10-200 mm
Linearity	<75 mm ($\pm 0.5\%$), 75-129 ($\pm 0.2\%$), 130-200 ($\pm 0.1\%$)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 kOhm: 10-50 mm 5 kOhm: 75-200 mm
Resistance tolerance	$\pm 20\%$
Load resistance	100 kOhm min.
Recommended wiper current	<1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	Connector or 1m cable output
Displacement speed	<5 m/s
Mechanical life	100 million movements
Case dimensions	$\varnothing 18$ mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	$\varnothing 5$ mm
Mechanical fixing	Variable brackets
Protection level	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Approvals

Declarations	CE, UKCA, ROHS, REACH
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Article

RS PRO Part Number	MPN	Stroke length	Linearity (%)	Resistance (kOhm)	Connector / Cable
	0100404	100	± 0.2 FS	5K	C5