

Features

- *Measuring range 25 mm*
- *2 kOhm resistance*
- *100 million movements life*
- *Excellent repeatability <0.01 mm*
- *Infinite resolution*
- *±0.5% FS linearity*
- *For tight area applications*

RS PRO Motion Control Sensors

RS Stock No.: 0359004

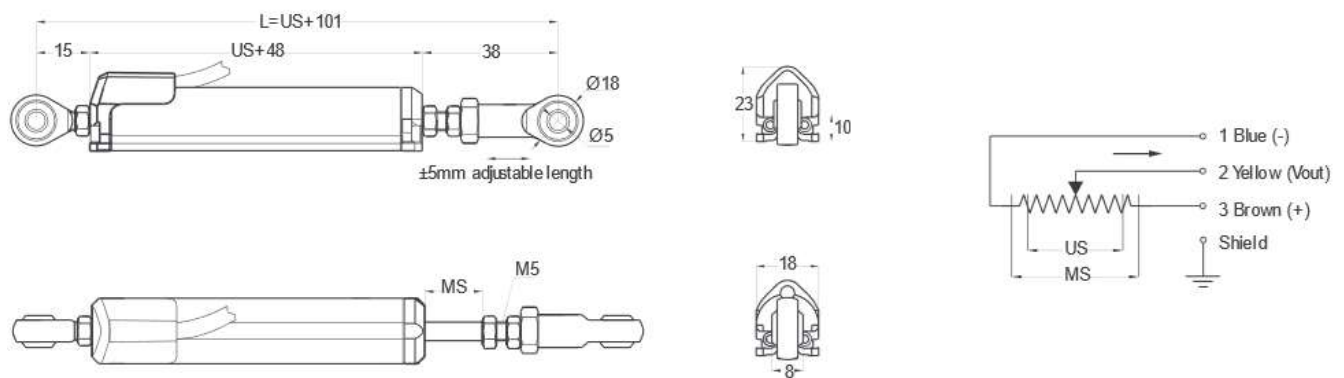


RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This product is designed as compact, high robust, accurate linear position sensor, using potentiometric technology, up to 25 mm measuring length. It provides absolute linear position feedback for wide range of industrial applications.

Mechanical Specifications



US (Usefull stroke)	10	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	13	28	53	78	103	128	153	178	203	253	303	353	403
L (Total Length)	111	116	151	176	201	226	251	276	301	351	401	451	501

General Specifications

Encoder Technology	Linear Potentiometer
Stroke	25 mm
Output Signal Type	Voltage Divider
Linearity	±0.5% FS
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 kOhm
Resistance tolerance	±%20
Load resistance	100 kOhm min.
Recommended wiper current	<1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	2m cable output
Displacement speed	<5 m/s
Mechanical life	100 million movements
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mechanical fixing	Ball joints on both sides
IP Rating	IP 65 – EN 60529
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Approvals

Declarations	CE, UKCA, ROHS, REACH
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