

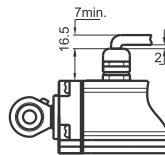
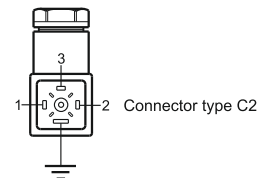
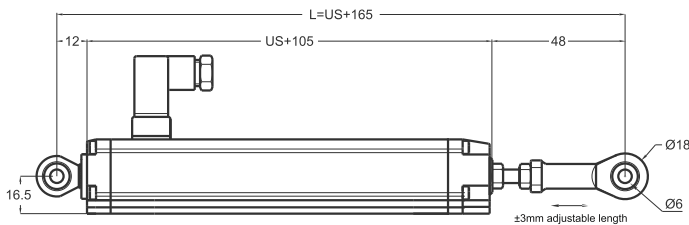
Linear Potentiometer

- Measuring range 50 - 600 mm
- Long mechanical life 100 million movements
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 kOhm: 50 ... 600 mm

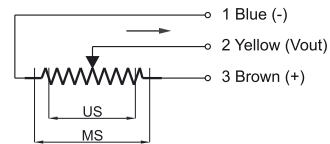


Technical specifications

Measurement stroke	50 to 600 mm
Linearity	$\pm 0,05$ (>200 mm), $\pm 0,1$ (130 - 200 mm), $\pm 0,2$ (75 - 130 mm), $\pm 0,5$ (<75 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	5 kOhm: 50 ... 600 mm
Resistance tolerance	± 20
Load resistance	100 kOhm min.
Recommended cursor current	<1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin connector (standard), cable (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	33 mm x 33 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	$\varnothing 6$ mm
Mechanical fixing	Ball joints on the both sides
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



Cable output (optional)



RTM (mm)	50	75	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
US (Usefull Stroke)	50	75	100	125	130	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
MS (Mechanical Stroke)	54	79	104	129	134	154	179	204	229	254	279	304	329	354	379	404	454	504	554	604
L (Total Length)	215	240	265	290	295	315	340	365	390	415	440	465	490	515	540	565	615	665	715	765

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)	Connector / Cable
(example) RTM	500	D	5K	C2
RTM	50 ... 600 mm	D: $\pm 0,05$ (>200 mm), $\pm 0,1$ (130 - 200 mm), $\pm 0,2$ (75 - 130 mm), $\pm 0,5$ (<75 mm)	5K: 5 kOhm	C2 : 4 pin connector (standard) 1M : 1 meter cable 2M5: 2,5 meter cable