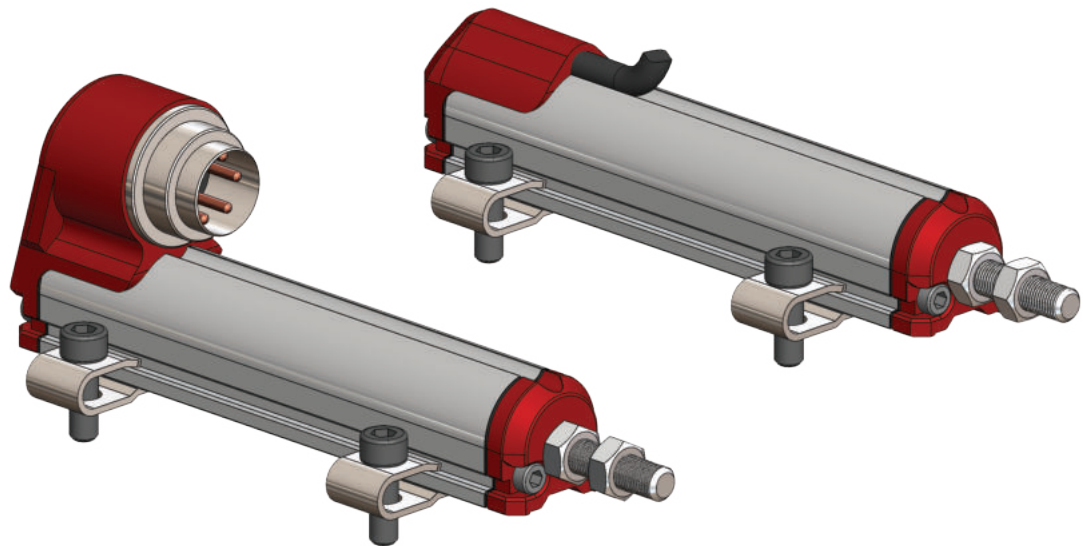


Authorized OPKON Distributor

## SLPT

Linear Potentiometer 10 - 400 mm

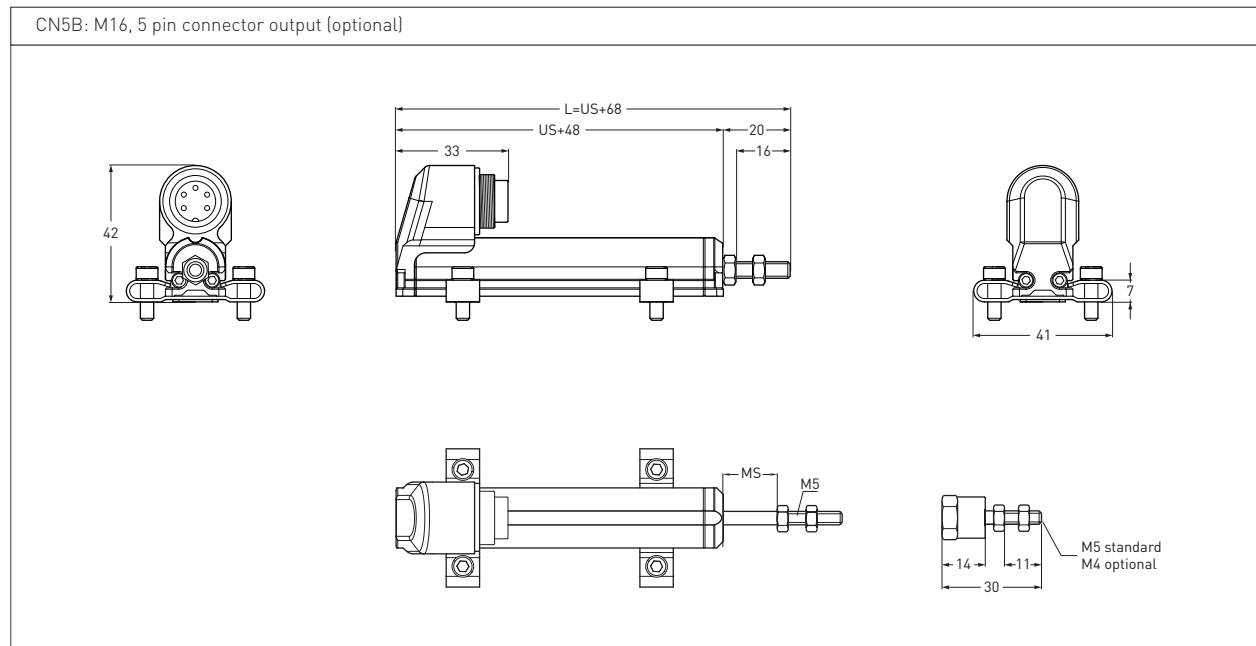
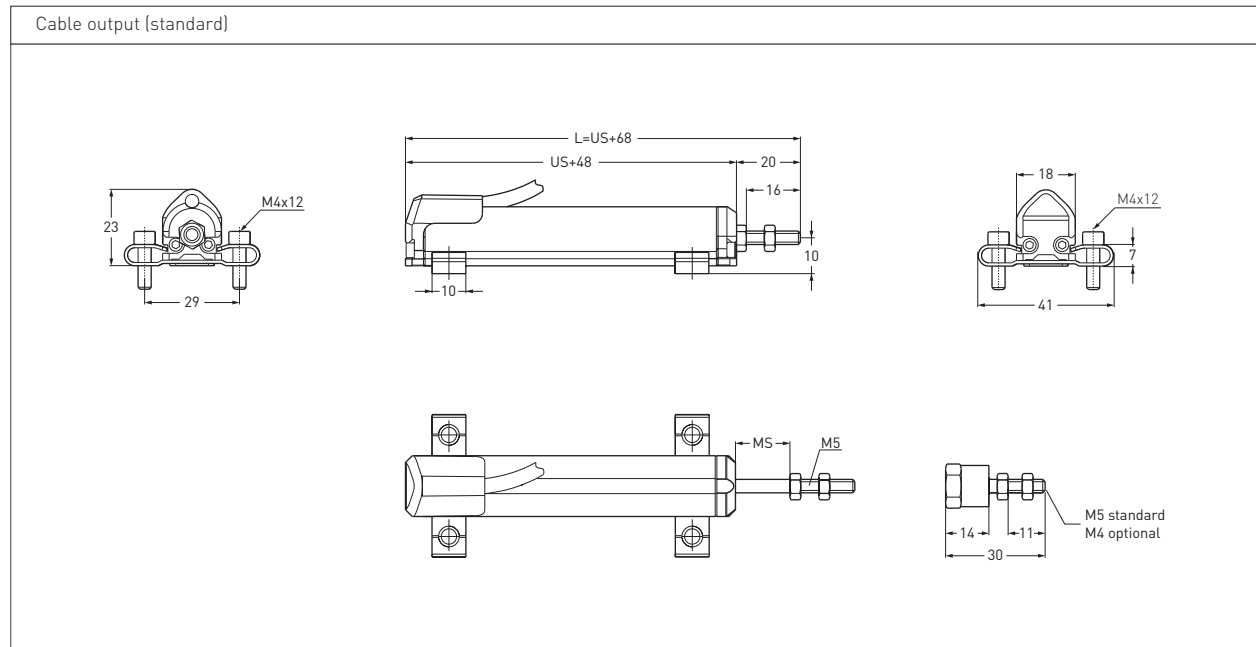
Slim Body Series



## 1. TECHNICAL SPECIFICATIONS

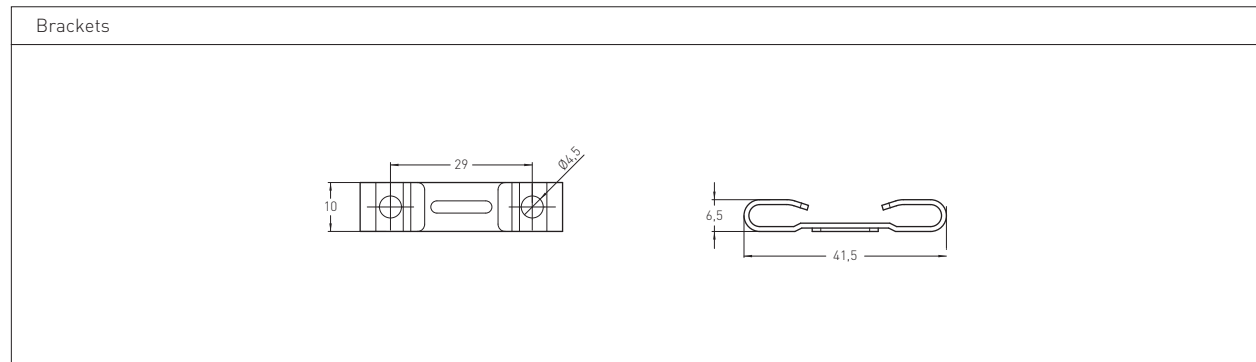
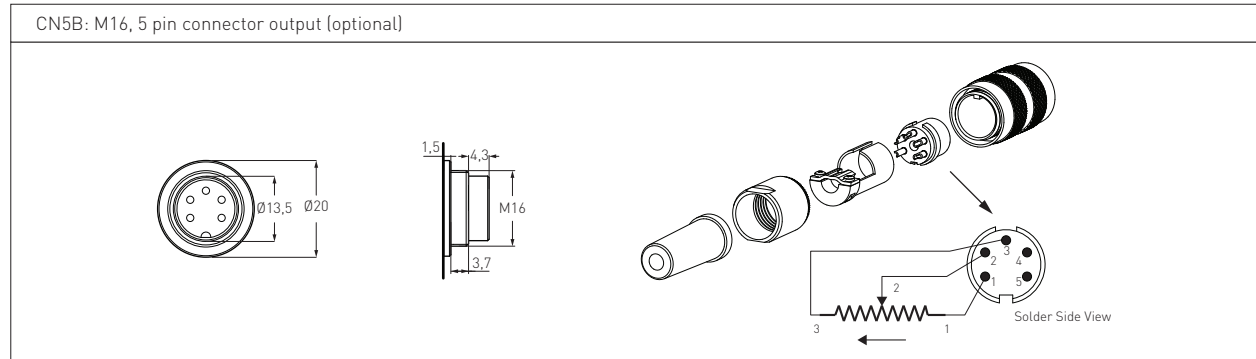
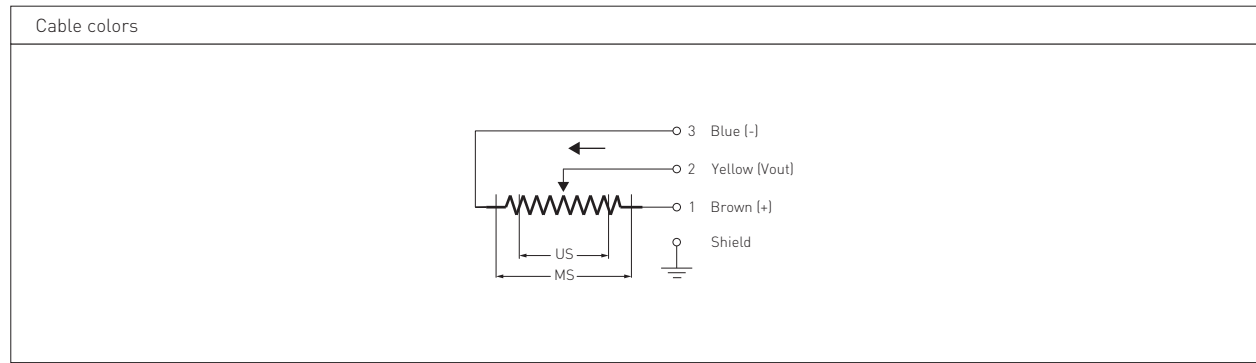
Measurement stroke	10 - 400 mm
Repeatability	< 0.01 mm
Resolution	Infinite
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard) CN5B: M16, 5 pin connector output (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 54 - EN 60529
Vibration	EN 60068-2-6:2013 5-2000 Hz 200 m/s <sup>2</sup> (20g) 2h 30min each axis (x,y,z)
Shock	EN 60068-2-2:2007 500 m/s <sup>2</sup> (50g) 11ms. (x,y,z axis)
Resistance	2 kOhm: 10 - 50 mm 5 kOhm: 75- 400 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended wiper current	<1 µA
Linearity	A: ±%0.5 (≤75 mm) B: ±%0.2 (100-125 mm) C: ±%0.1(130-225 mm) D: ±%0.05 (≥250 mm)
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Caps material	ABS Plastic
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mechanical fixing	Variable brackets
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

## 2.MECHANICAL SPECIFICATIONS

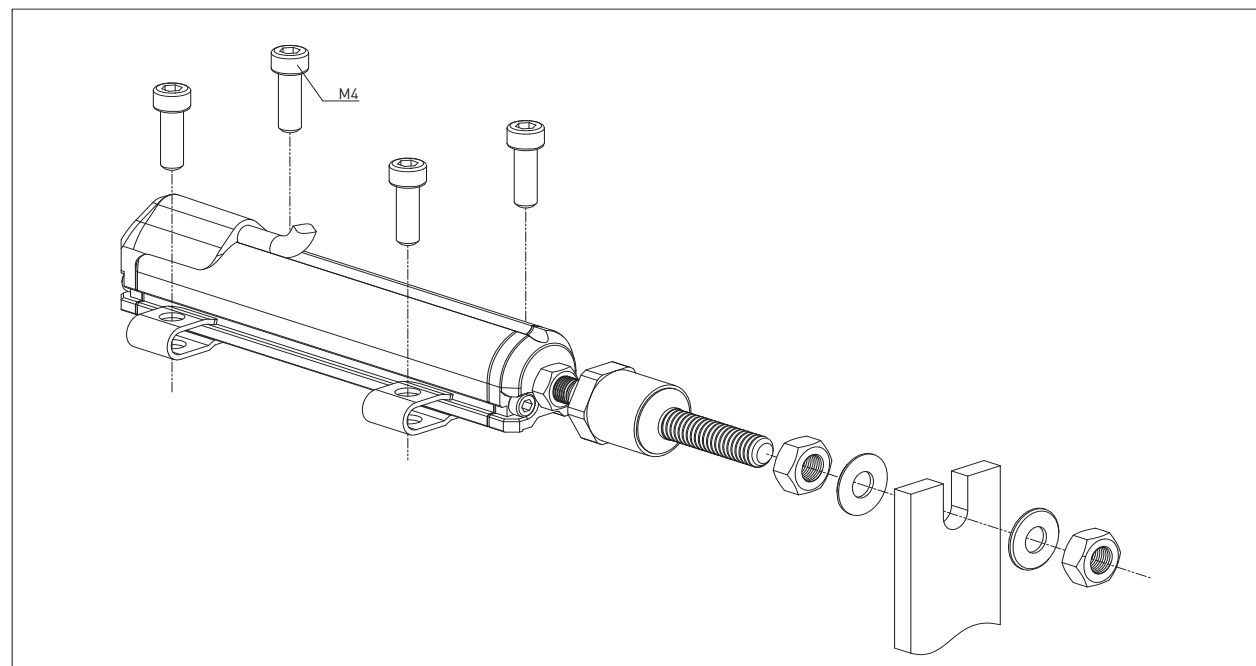


SLPT (mm)	10	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	10	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	13	28	53	78	103	128	153	178	203	253	303	353	403
L (Total length)	79	94	119	144	169	194	219	244	269	319	369	419	469

### 3.CABLE, CONNECTOR AND BRACKET



### 4.ASSEMBLY



## 5. ORDERING PROCEDURE

<b>1</b>	<b>Model</b>
	SLPT: Linear Potentiometer Slim Body Series
<b>2</b>	<b>Measurement stroke</b>
	10 - 400 mm
<b>3</b>	<b>Linearity</b>
	A: $\pm 0.5$ ( $\leq 75$ mm) B: $\pm 0.2$ (100 - 125 mm) C: $\pm 0.1$ (130 - 225 mm) D: $\pm 0.05$ ( $\geq 250$ mm)
<b>4</b>	<b>Resistance (kOhm)</b>
	5K: 5 kOhm (10 - 50 mm) 10K: 10 kOhm (75 - 400 mm)
<b>5</b>	<b>Connector / Cable</b>
	1M: 1 meter cable (standard) 1M5: 1,5 meter cable (optional) 2M: 2 meter cable (optional) CN5B: M16, 5 pin connector (optional)

For example:

SLPT	175	D	5K	1M
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>