

## SLPT

Linear Potentiometer

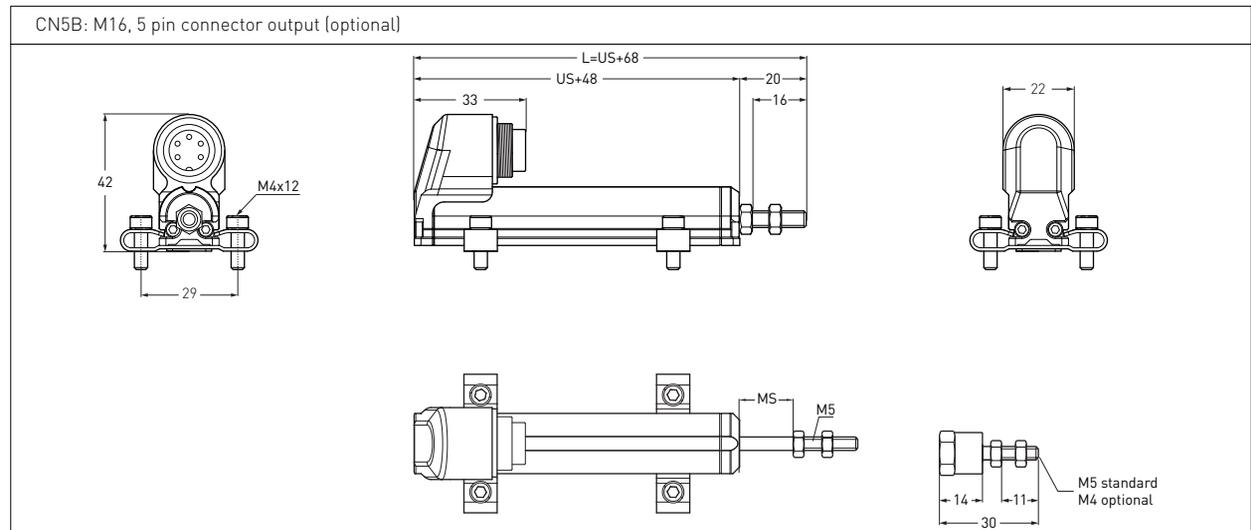
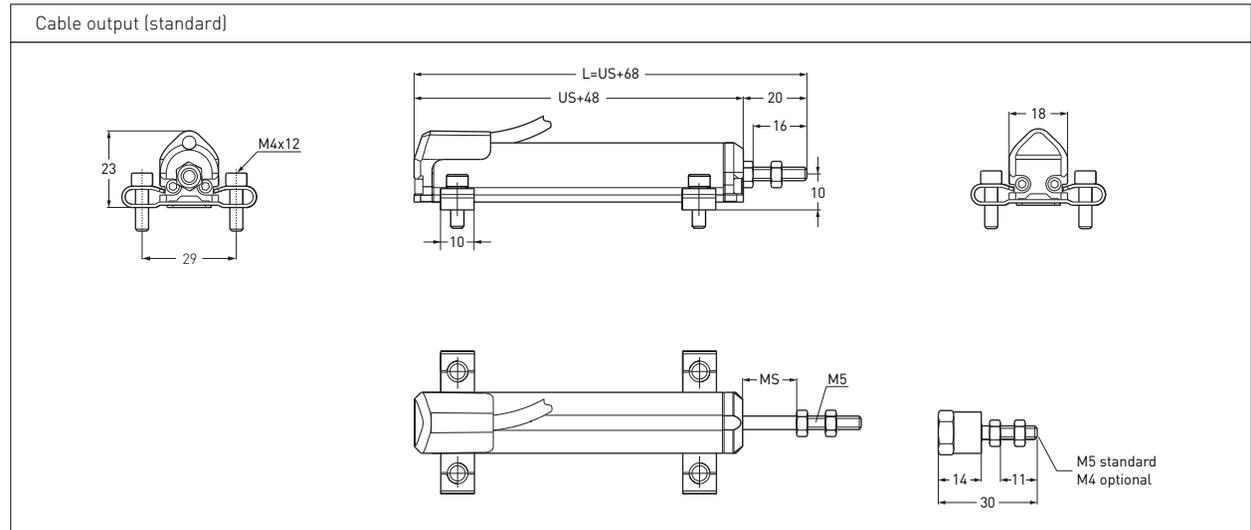
10 - 400 mm

Slim Body Series

### 1. TECHNICAL SPECIFICATIONS

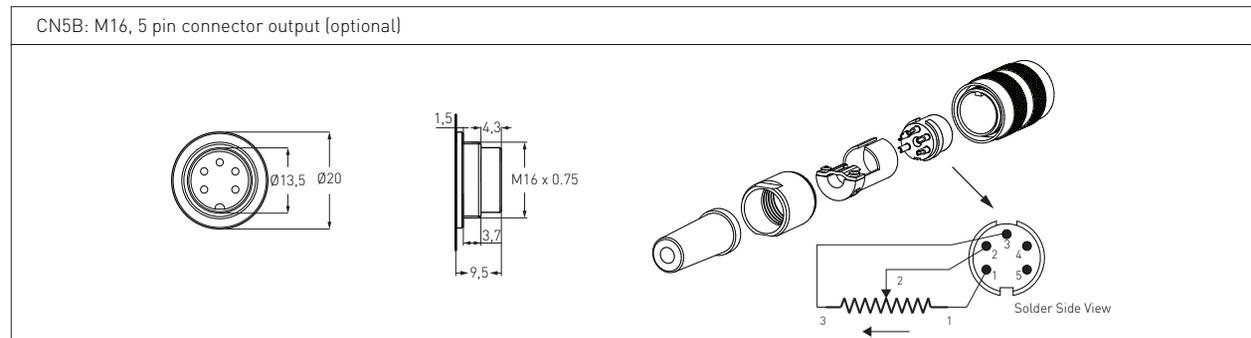
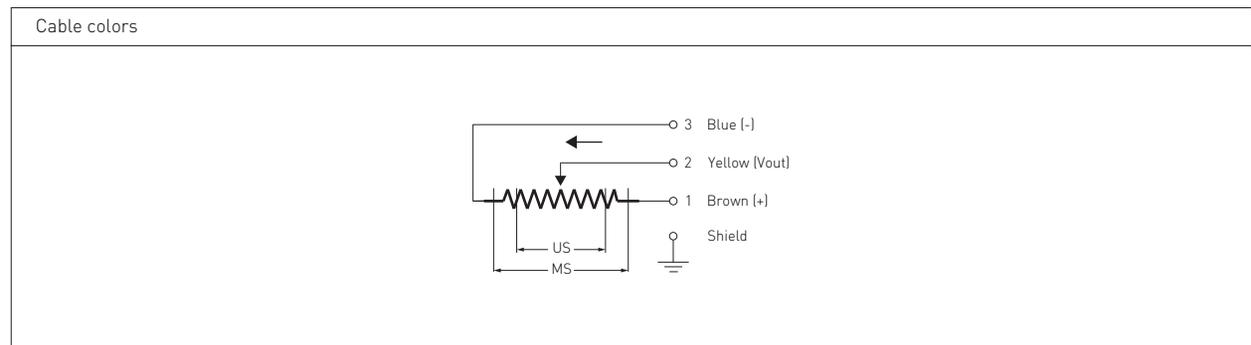
Measurement stroke	10 - 400mm
Repeatability	< 0.01 mm
Resolution	Infinite
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard) CN5B: M16, 5 pin connector output (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 54 - EN 60529
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) A: ±%0.5 (130 - 225 mm) B: ±%0.2 (≥250 mm)
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Caps material	ABS Plastic
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mecganical fixing	Variable brackets
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

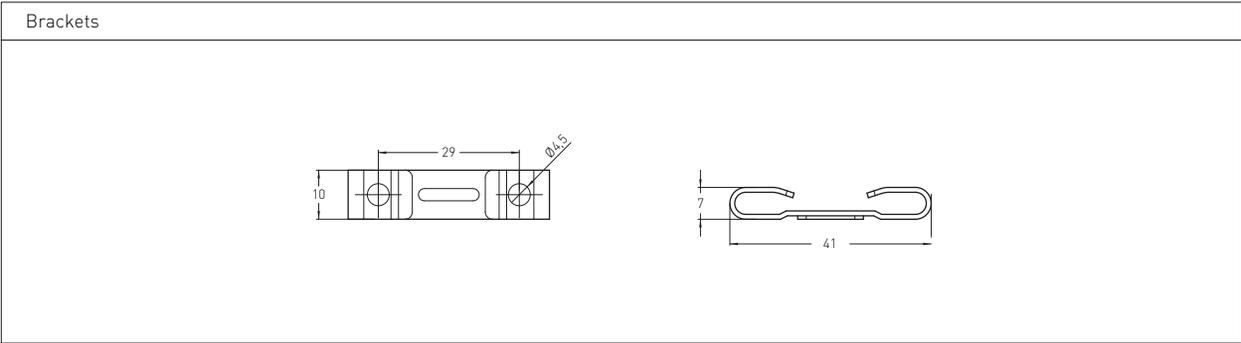
## 2.MECHANICAL SPECIFICATIONS



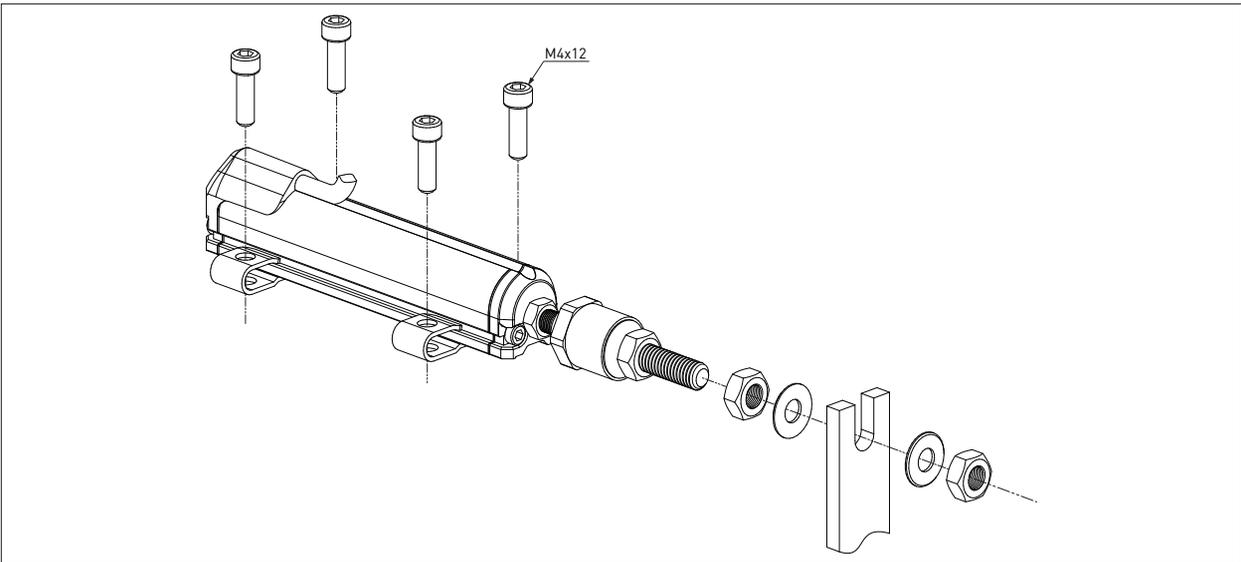
SLPT (mm)		10	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	-0 / +1	10	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	± 1	17	32	57	82	107	132	157	182	207	257	307	357	407
L (Total length)	± 1	78	93	118	143	168	193	218	243	268	318	368	418	468

## 3.CABLE, CONNECTOR AND BRACKET





#### 4.ASSEMBLY



#### 5.ORDERING PRODECURE

<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>
	2K: 2 kOhm (10 - 50 mm) 5K: 5 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>

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