



SLPC

Linear Potentiometer

10 - 400 mm

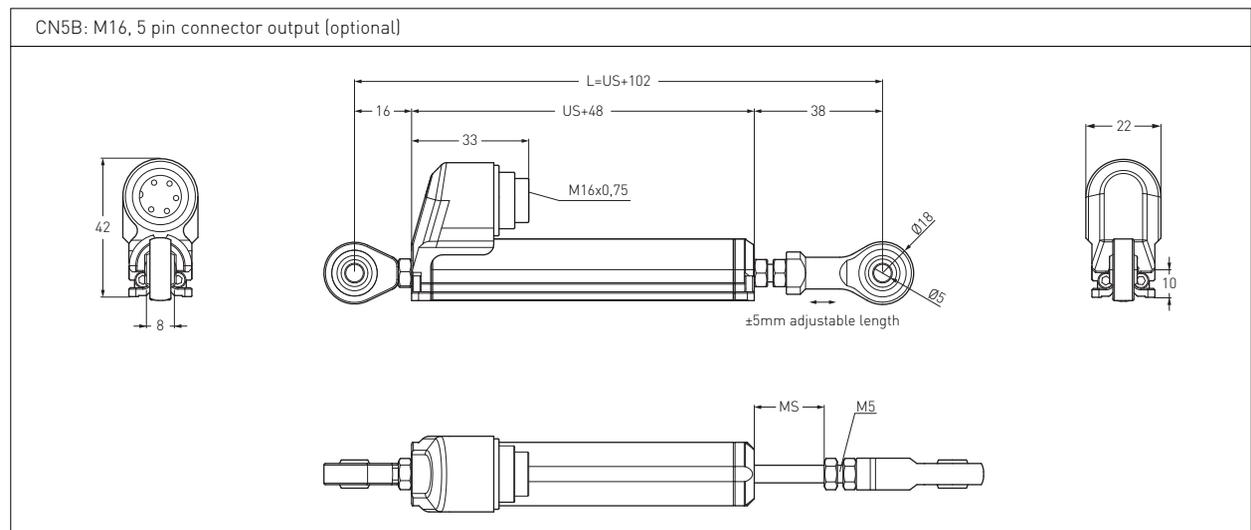
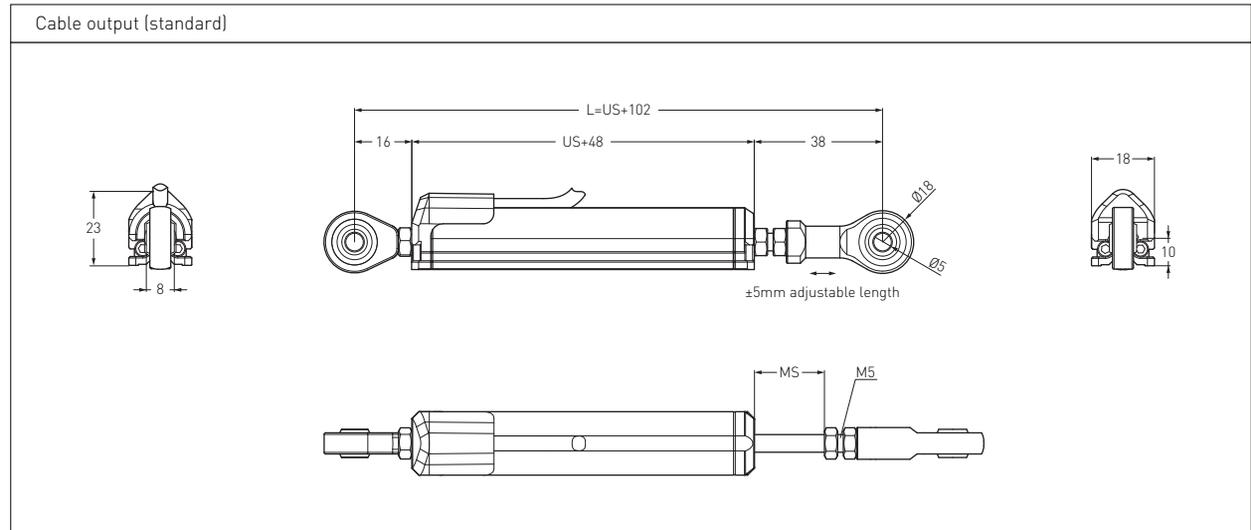
Slim Body Series,

Ball Joints On The Both Sides

1. TECHNICAL SPECIFICATIONS

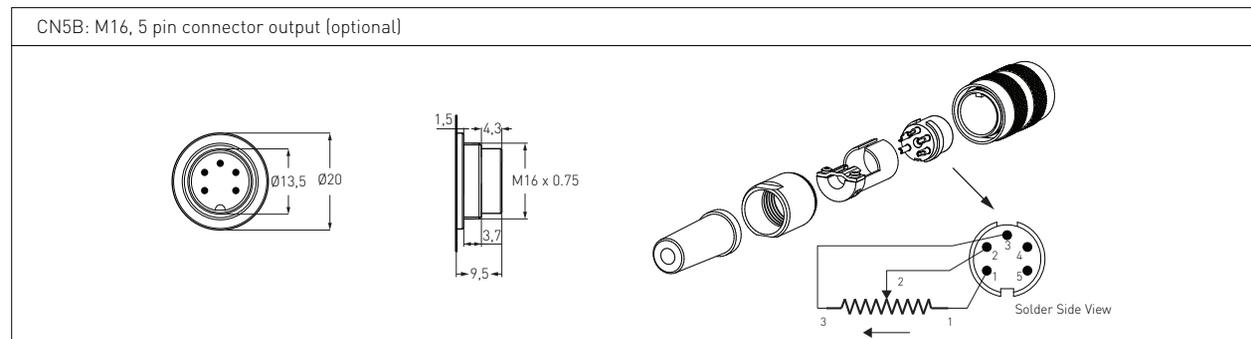
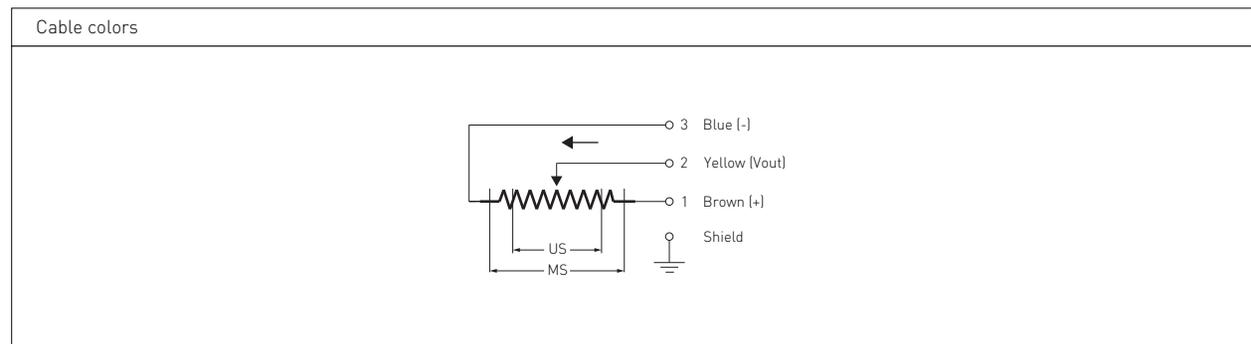
Measurement stroke	10 - 400 mm
Repeatability	< 0.01 mm
Resolution	Infinite
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard) CN5B: M16, 5 pin connector output (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 54 - EN 60529
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	Ball joints on the both sides (metal)
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

2. MECHANICAL SPECIFICATIONS



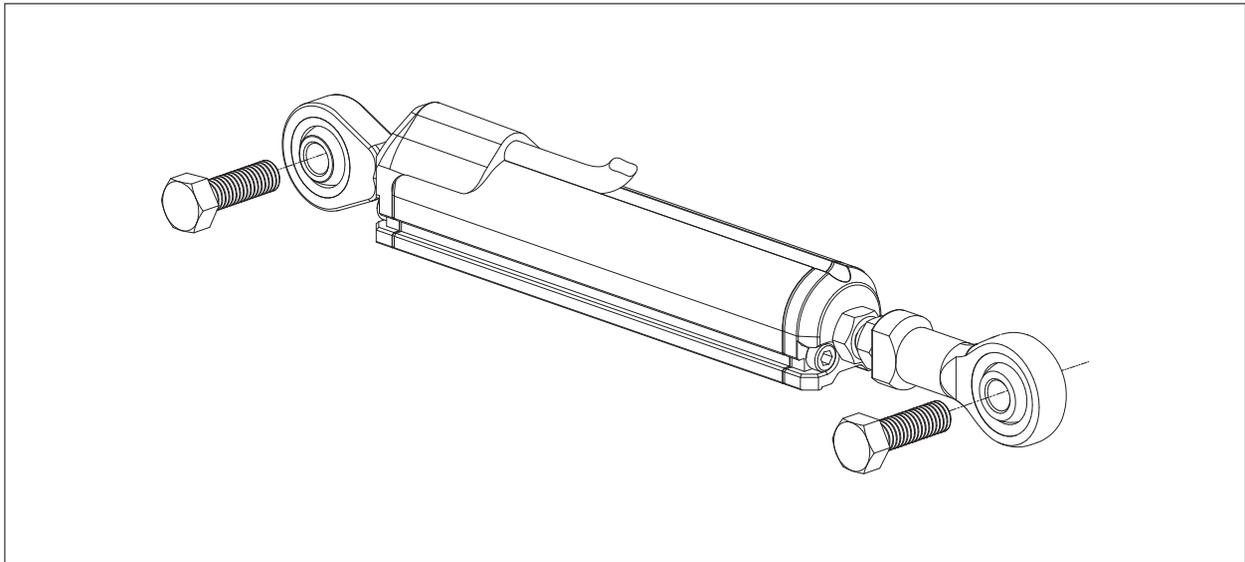
SLPC (mm)		10	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	-0 / +1	10	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	± 1	14	29	54	79	104	129	154	179	204	254	304	354	404
L (Total length)	± 1	112	127	152	177	202	227	252	277	302	352	402	452	502

3. CABLE, CONNECTOR AND BALL JOINT



Ball joint		
Standard	Plastic	Stainless

4.ASSEMBLY



5.ORDERING PRODECURE

1	Model SLPC: Linear Potentiometer Slim Body Series, Ball Joints On The Both Sides
2	Measurement stroke 10 - 400 mm
3	Linearity A: $\pm 0.5\%$ (≤ 75 mm) B: $\pm 0.2\%$ (100 - 125 mm) C: $\pm 0.1\%$ (130 - 225 mm) D: $\pm 0.05\%$ (≥ 250 mm)
4	Resistance (kOhm) 2K: 2 kOhm (10 - 50 mm) 5K: 5 kOhm (75 - 400 mm)
5	Connector / Cable 1M: 1 meter cable (standard) 1M5: 1,5 meter cable (optional) 2M: 2 meter cable (optional) CN5B: M16, 5 pin connector (optional)

For example:

SLPC	175	D	5K	1M
1	2	3	4	5

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