

SLPS

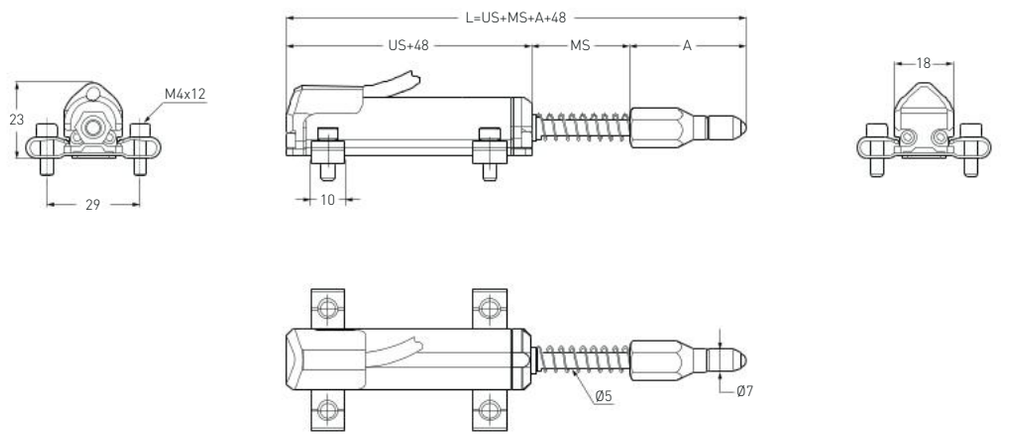
Linear Potentiometer
10 - 100 mm
Slim Body Series,
External Spring Return

1.TECHNICAL SPECIFICATIONS

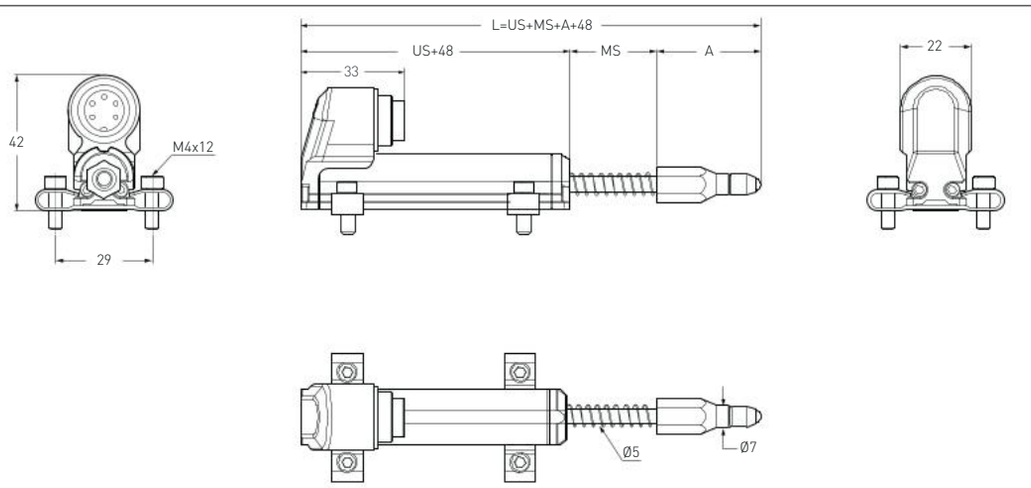
Measurement stroke	10 - 100 mm
Repeatability	< 0.01 mm
Resolution	Infinite
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard) CN5B: M16, 5 pin connector output (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 40
Resistance	2 kOhm: 10 - 50 mm 5 kOhm: 75- 100 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended wiper current	<1 µA
Linearity	A: ±%0.5 (⩽75 mm) B: ±%0.2 (100 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

Cable output (standard)



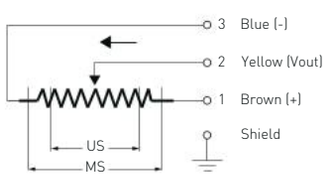
CN5B: M16, 5 pin connektor output (optional)



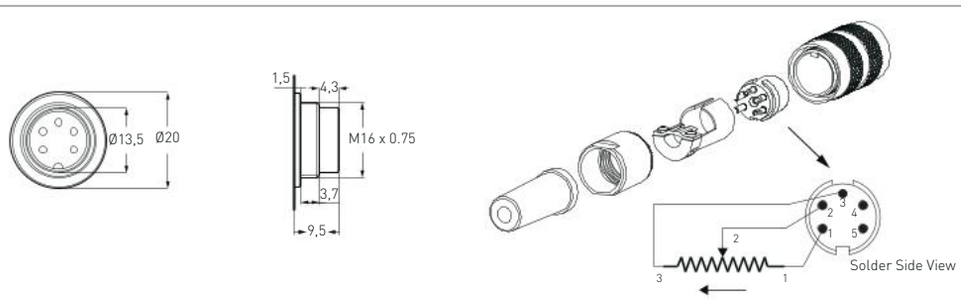
SLPS (mm)		10	25	50	75	100
US (Usefull stroke)	-0 / +1	10	25	50	75	100
MS (Mechanical stroke)	± 1	14	29	54	79	104
A	± 0.5	35	35	42	42	42
L (Total length)	± 1	107	137	194	244	294

3.CABLE, CONNECTOR AND BRACKET

Cable colors



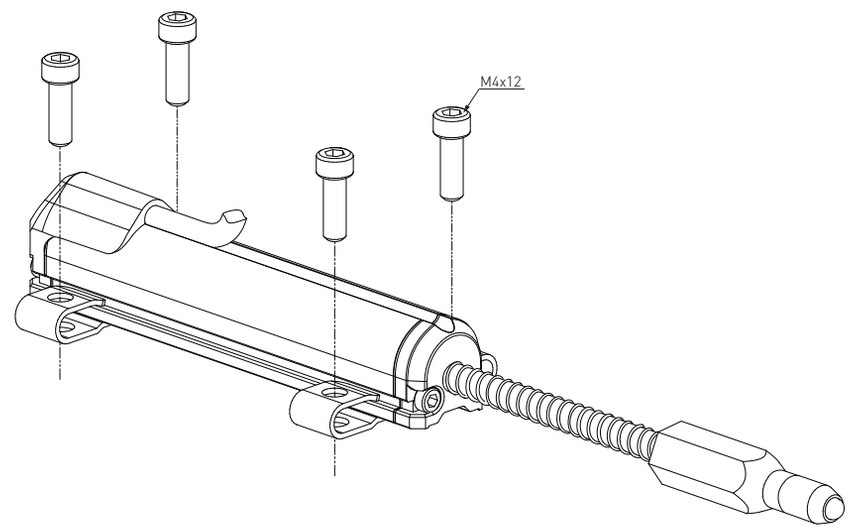
CN5B: M16, 5 pin connector output (optional)



Brackets



4.ASSEMBLY



5.ORDERING PRODECURE

1	**Model**
	SLPS: Linear Potentiometer Slim Body Series, Spring Return
2	**Measurement stroke**
	10 - 100 mm
3	**Linearity**
	A: ±%0.5 (⩽75 mm)
	B: ±%0.2 (100 mm)
4	**Resistance (kOhm)**
	2K: 2 kOhm (10 - 50 mm)
	5K: 5 kOhm (75 - 100 mm)
5	**Cable / Connector**
	1M: 1 meter cable (standard)
	1M5: 1.5 meter cable (optional)
	2M: 2 meter cable (optional)
	CN5B: M16, 5 pin connector (optional)

For example:

SLPS	75	A	5K	1M
1	**2**	**3**	**4**	**5**

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