



SLPS

Linear Potentiometer

10 - 100 mm

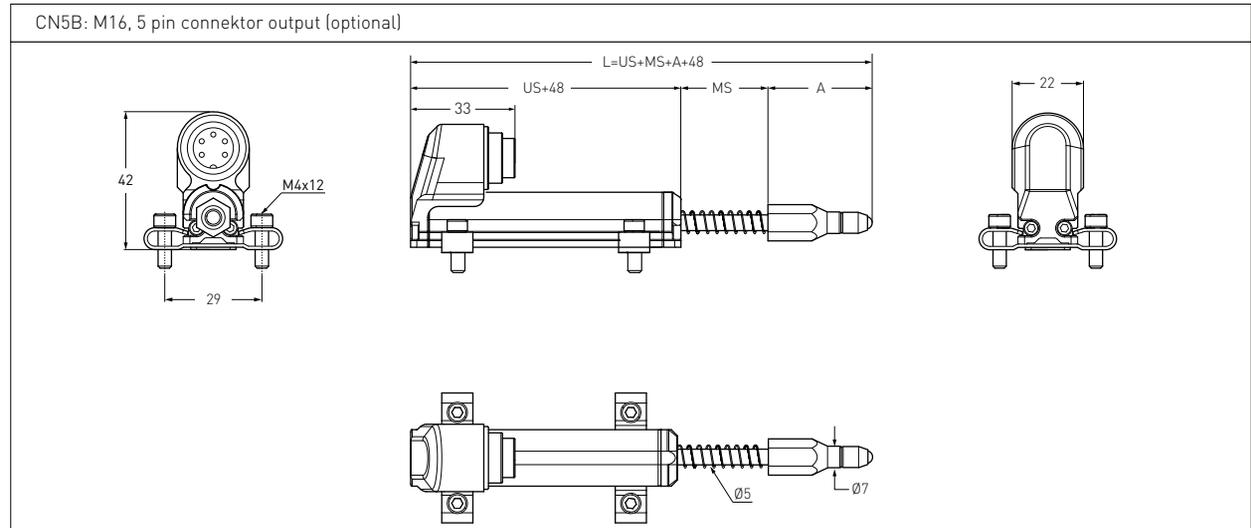
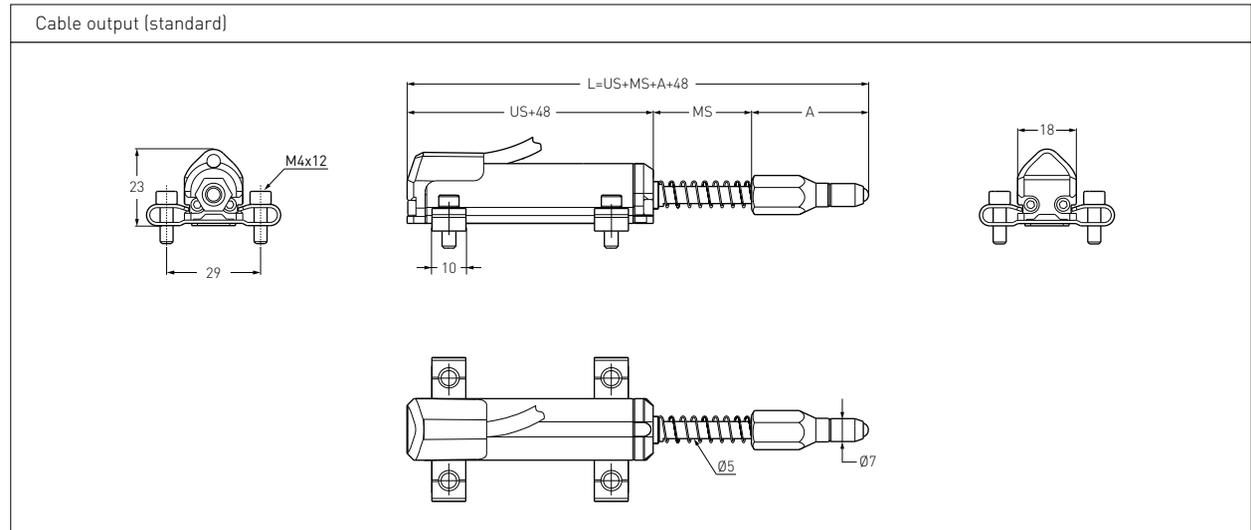
Slim Body Series,

External Spring Return

1. TECHNICAL SPECIFICATIONS

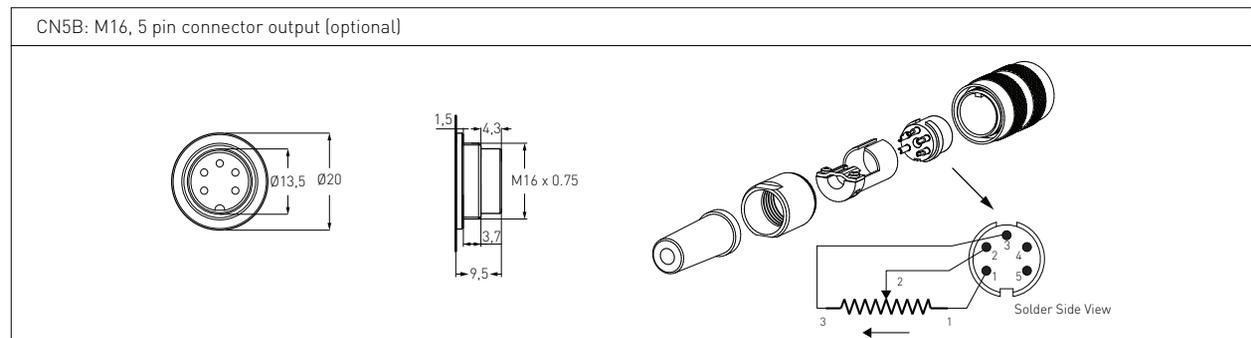
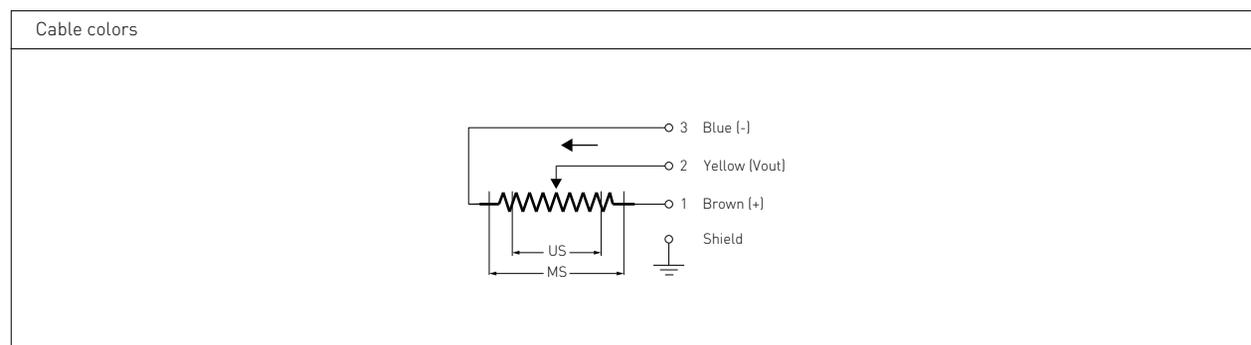
Measurement stroke	10 - 100 mm
Repeatability	< 0.01 mm
Resolution	Infinite
Permissible applied voltage	28 VDC max.
Electrical connections	Cable output (standard) CN5B: M16, 5 pin connector output (optional)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Protection level	IP 40
Resistance	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

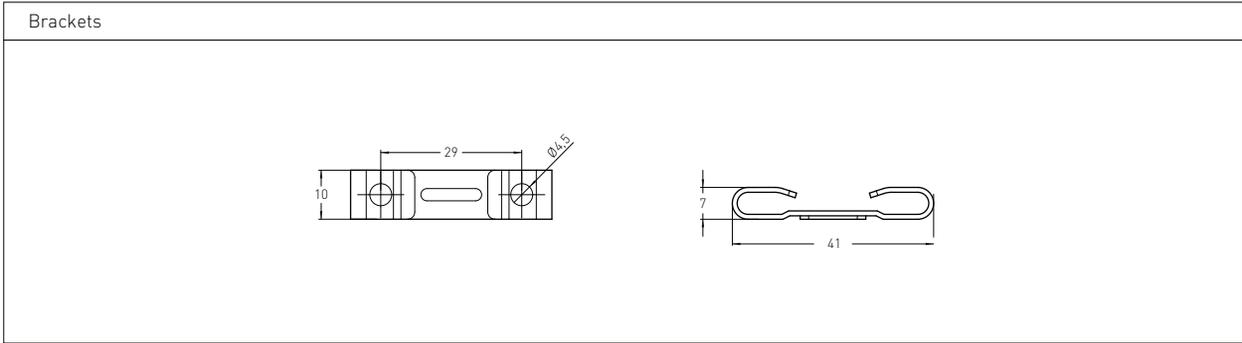
2. MECHANICAL SPECIFICATIONS



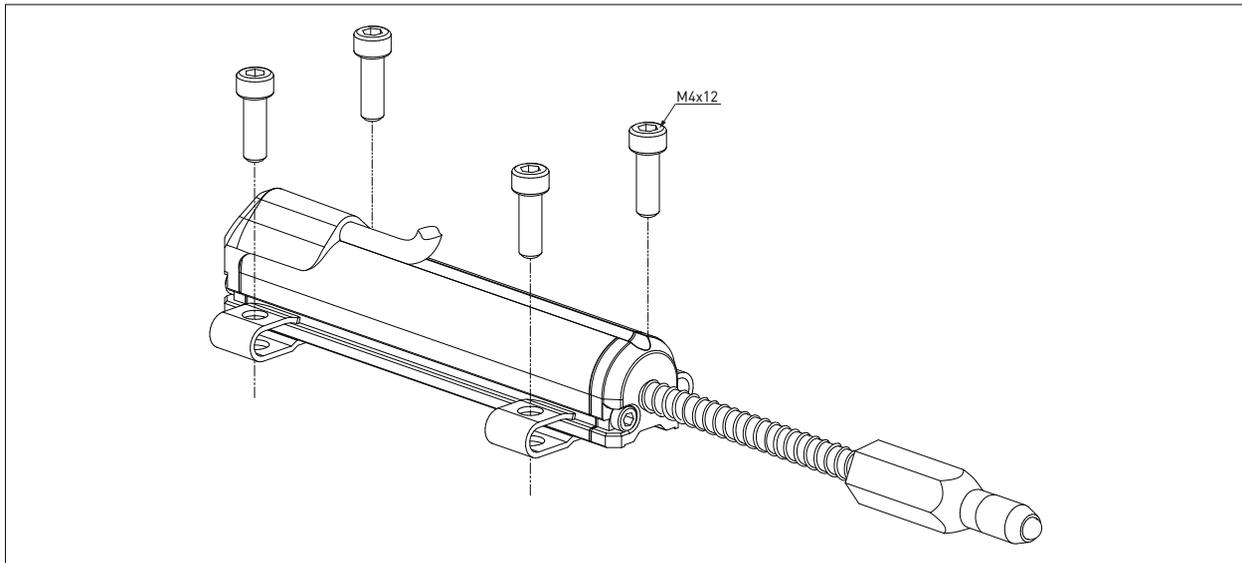
SLPS (mm)		10	25	50	75	100
US (Usefull stroke)	-0 / +1	10	25	50	75	100
MS (Mechanical stroke)	± 1	14	29	54	79	104
A	± 0,5	35	35	42	42	42
L (Total length)	± 1	107	137	194	244	294

3. CABLE, CONNECTOR AND BRACKET





4.ASSEMBLY



5.ORDERING PROCEDURE

1	Model	SLPS: Linear Potentiometer Slim Body Series, Spring Return
2	Measurement stroke	10 - 100 mm
3	Linearity	A: $\pm 0.5\%$ (≤ 75 mm) B: $\pm 0.2\%$ (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

TÜRKİYE
Headquarter, R&D, Production

OPKON Optik Elektronik Kontrol Sanayi ve Ticaret A.Ş.
Terazidere Mah. 29 Ekim Cad. No:34 Bayrampaşa / İstanbul / TÜRKİYE
Phone : +90 (212) 501 48 63
Fax : +90 (212) 501 48 83
Web : www.opkon.com.tr
E-mail : export@opkon.com.tr

GERMANY
Subsidiary

SENSORMARKET GmbH
Vohwinkeler Strasse 148, 42329 Wuppertal / GERMANY
Phone : +49 20269867617
Fax : +49 20269868030
Web : www.sensormarket.eu
E-mail : sales@sensormarket.eu

CHINA
Subsidiary

DANZI Sense Technology
(Shanghai) Co., LTD. Room 123 - B, F/1, No. 1000 Ziyue Road, Minhang District, 200240 Shanghai / CHINA
Hotline : 400 8050 889
Phone : 021 - 64091719
Fax : 021 - 64091713
Web : www.opkonchina.com
E-mail : marketing@opkonchina.com

opkon.com.tr

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