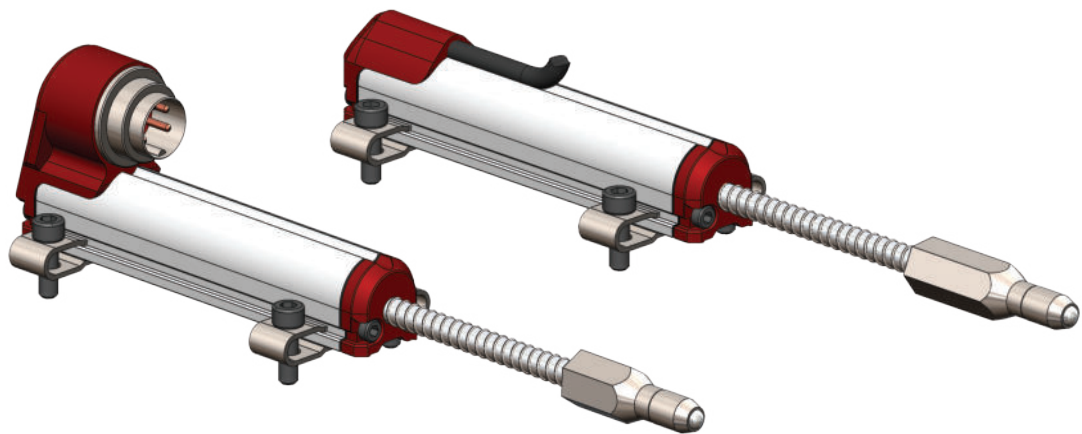


SLPS

Linear Potentiometer 10 - 100 mm

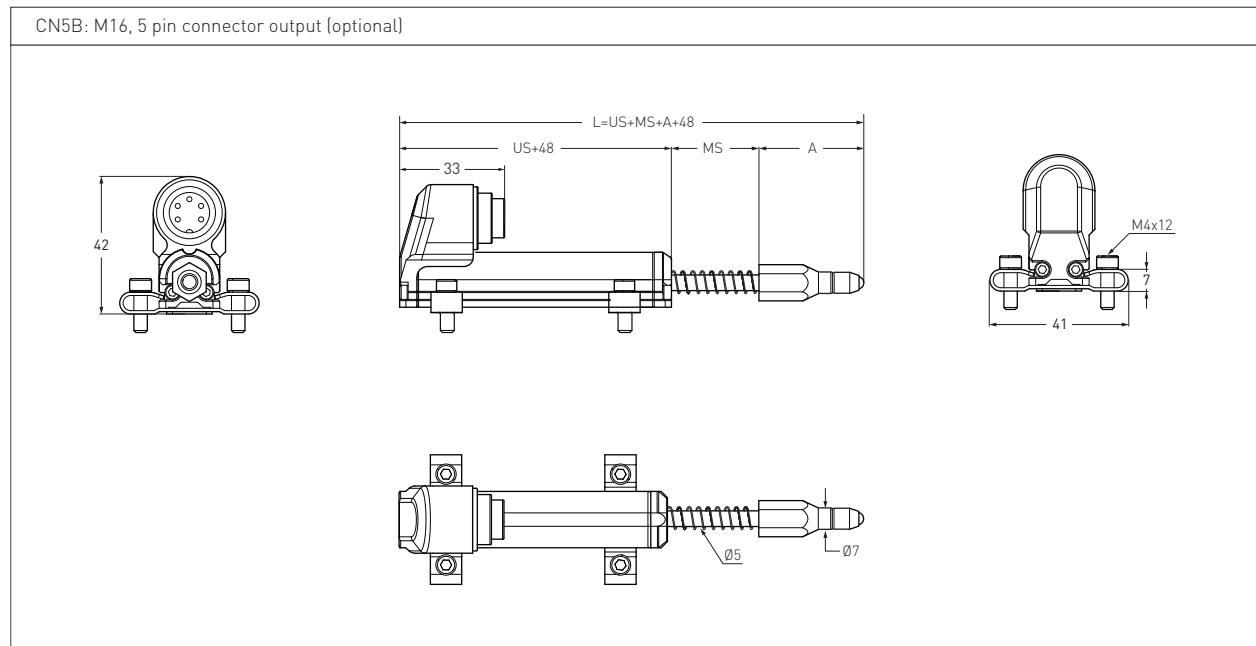
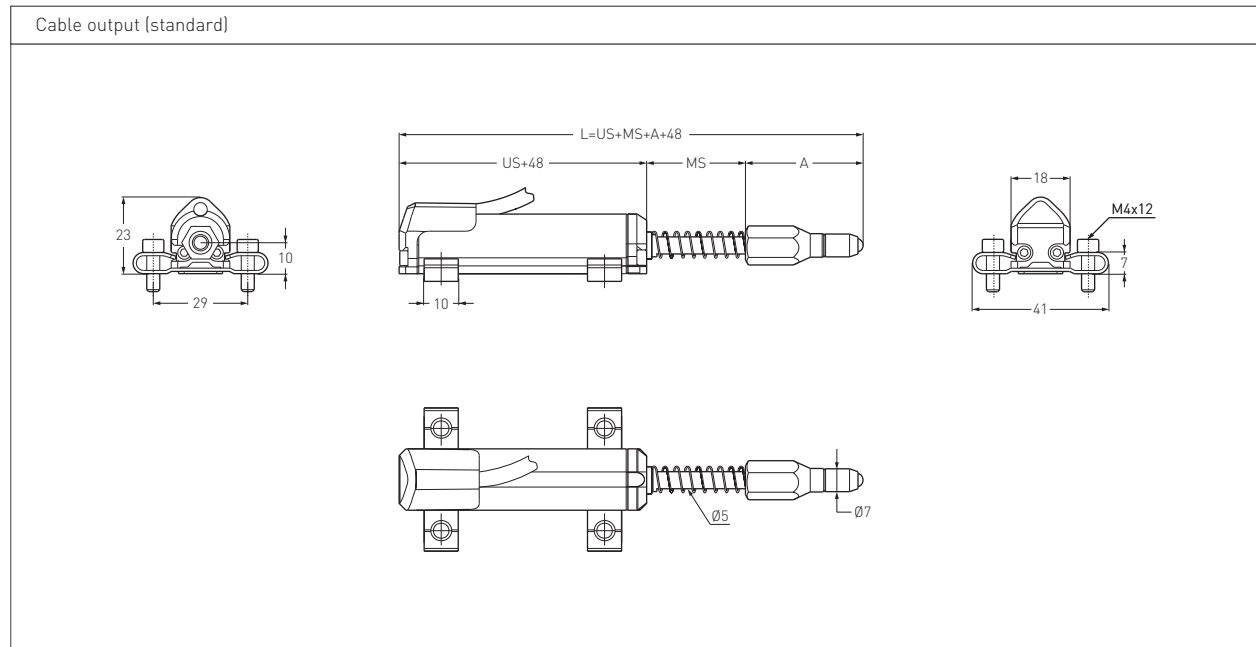
Slim Body Series, External Spring Return



1. TECHNICAL SPECIFICATIONS

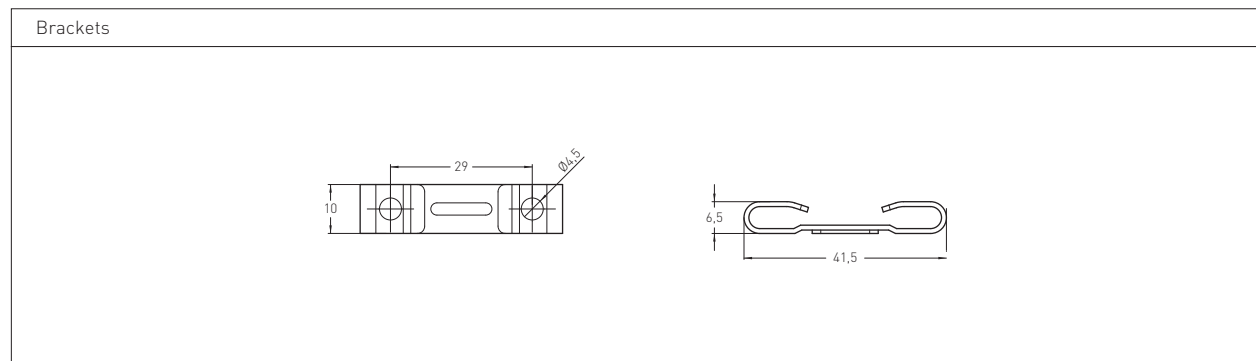
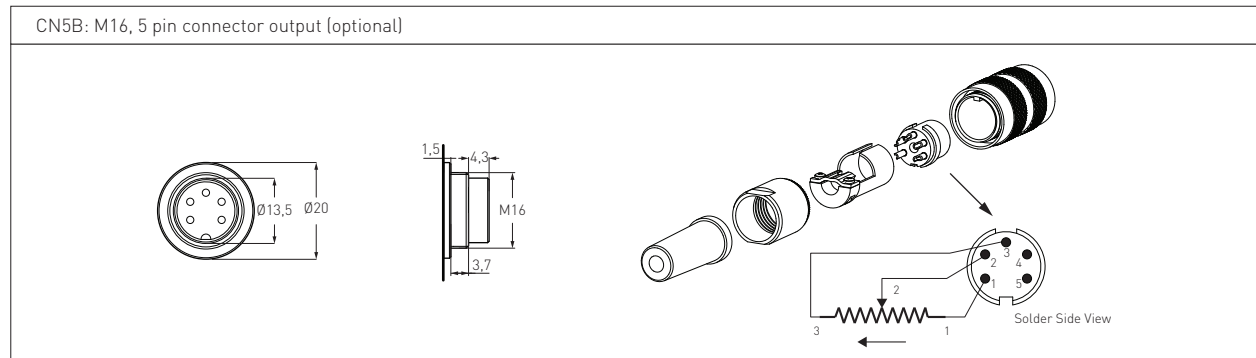
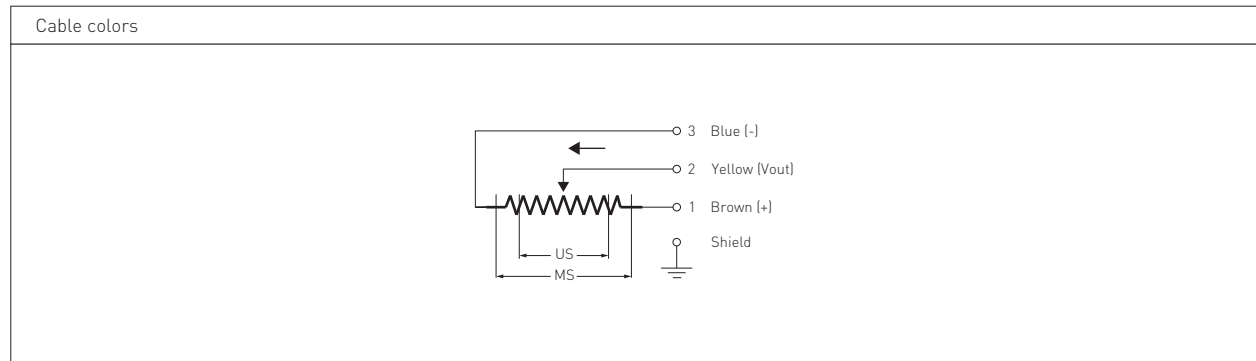
| | |
|-----------------------------|---|
| Measurement stroke | 10 - 100 mm |
| Repeatability | < 0.01 mm |
| Resolution | Infinite |
| Permissible applied voltage | 28 VDC max. |
| Electrical connections | Cable output (standard) CN5B: M16, 5 pin connector output (optional) |
| Displacement speed | < 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 resistanc | 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 AISI 303 |
| Rod diameter | Ø5 mm |
| Mechanical fixing | Variable brackets |
| Operating temperature | -20°C ... +80°C |
| Storage temperature | -30°C ... +90°C |

2.MECHANICAL SPECIFICATIONS

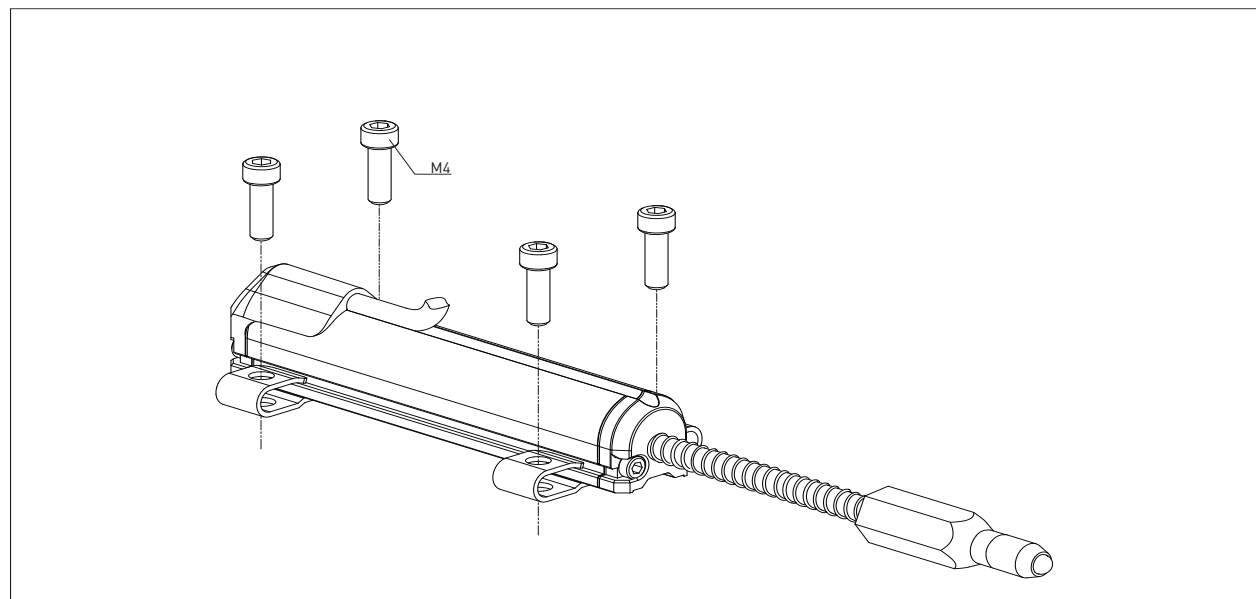


| | | | | | |
|------------------------|-----|-----|-----|-----|-----|
| SLPS (mm) | 10 | 25 | 50 | 75 | 100 |
| US (Usefull stroke) | 10 | 25 | 50 | 75 | 100 |
| MS (Mechanical stroke) | 13 | 28 | 53 | 78 | 103 |
| A | 35 | 35 | 42 | 42 | 42 |
| L (Total length) | 106 | 134 | 193 | 243 | 293 |

3.CABLE, CONNECTOR AND BRACKET



4.ASSEMBLY



5.ORDERING PRODECURE

| | |
|---|--|
| 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: 5 kOhm (10 - 50 mm) 5K: 10 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 |