

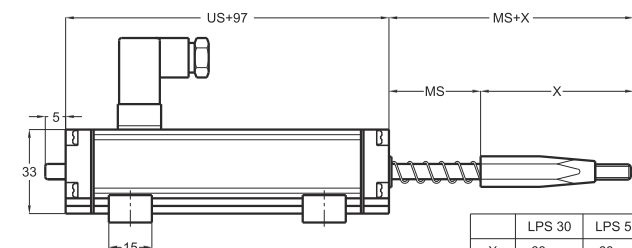
## Linear Potentiometer Spring Return

- Measuring range 30 - 150 mm
- Long mechanical life 100 million cycles
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 KOhm or 10 KOhm

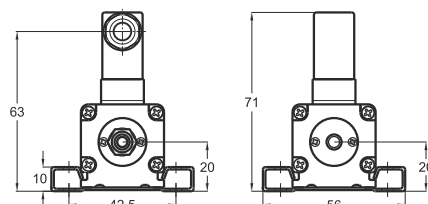
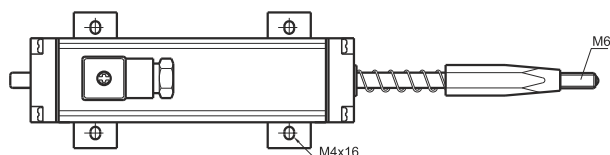
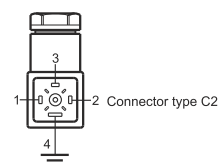


### Technical specifications

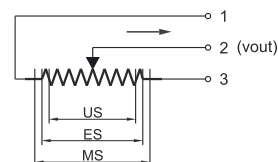
|                             |                    |
|-----------------------------|--------------------|
| Measurement stroke          | 30 to 150 mm       |
| Linearity                   | ± %0,05            |
| Repeatability               | < 0,01 mm          |
| Resolution                  | Infinite           |
| Resistance                  | 5 KOhm or 10 KOhm  |
| Resistance tolerance        | ± %20              |
| Load resistance             | 100 KOhm min.      |
| Recommended cursor current  | <1 µA              |
| Permissible applied voltage | 28 VDC max.        |
| Electrical connections      | 4 pin connector    |
| Displacement speed          | < 5 m/s            |
| Mechanical life             | 100 million cycles |
| Case dimensions             | 33 mm x 33 mm      |
| Case material               | Anodized aluminium |
| Rod material                | Stainless steel    |
| Rod diameter                | Ø6 mm              |
| Mechanical fixing           | Variable brackets  |
| IP degree                   | IP 54              |
| Operating temperature       | -20°C ... +80°C    |
| Storage temperature         | -30°C ... +90°C    |



|   | LPS 30 | LPS 50 | LPS 75 | LPS 100 |
|---|--------|--------|--------|---------|
| X | 63mm   | 68mm   | 78mm   | 88mm    |



|                           |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|
| LPS(mm)                   | 30  | 50  | 75  | 100 | 150 |
| US<br>(Usefull Stroke)    | 30  | 50  | 75  | 100 | 150 |
| MS<br>(Mechanical Stroke) | 34  | 54  | 79  | 104 | 154 |
| L<br>(Total Length)       | 232 | 277 | 337 | 397 | 447 |



| Model         | Measurement stroke (mm) | Linearity (%)          | Resistance (KOhm)            | Connector / Cable    |
|---------------|-------------------------|------------------------|------------------------------|----------------------|
| (example) LPS | 125                     | D                      | 5K                           | C2                   |
| LPS           | 30 ... 150 mm           | D : ± %0,05 (standard) | 5K : 5 KOhm<br>10K : 10 KOhm | C2 : 4 pin connector |