

Linear Potentiometer Slim Body Series

- Measuring range 10 - 400 mm
- For tight area applications
- <0.01 mm repeatability
- Infinite resolution
- 2 kOhm: 10 - 25 mm
- 5 kOhm: 50 - 400 mm



SLPC
Connector type

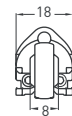
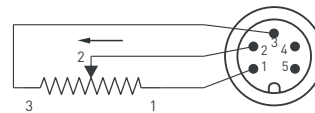
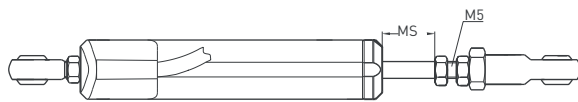
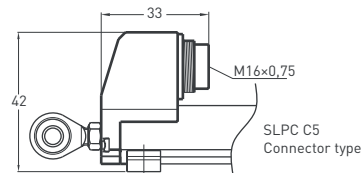
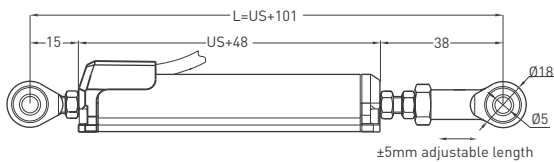


SLPC
Cable type

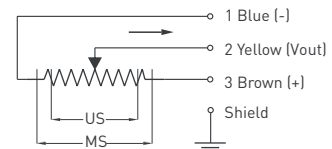
Technical specifications

| | |
|-----------------------------|--|
| Measurement stroke | 10 - 400 mm |
| Linearity | ±0,05 (>200 mm), ±0,1 (130-200) ±0,02 (75-130), ±0,5 (<75 mm) |
| Repeatability | < 0.01 mm |
| Resolution | Infinite |
| Resistance | 2 kOhm : 10 - 50 mm 5 kOhm : 75 - 400 mm |
| Resistance tolerance | ± %20 |
| Load resistance | 100 kOhm min. |
| Recommended wiper current | <1 µA |
| Permissible applied voltage | 28 VDC max. |
| Electrical connections | Connector or 1 m cable output |
| Displacement speed | < 5 m/s |
| Mechanical life | 100 million movement |
| Case dimensions | Ø18 mm |
| Case material | Anodized aluminium |
| Rod material | Stainless steel |
| Rod diameter | Ø5 mm |
| Mechanical fixing | Ball joints on the both sides |
| Protection level | IP 65 - EN 60529 |
| Operating temperature | -20°C ... +80°C |
| Storage temperature | -30°C ... +90°C |

Mechanical Specifications



| | | | | | | | | | | | | | |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SLPC (mm) | 10 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| US [Usefull stroke] | 10 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| MS [Mechanical stroke] | 13 | 28 | 53 | 78 | 103 | 128 | 153 | 178 | 203 | 253 | 303 | 353 | 403 |
| L [Total Length] | 111 | 116 | 151 | 176 | 201 | 226 | 251 | 276 | 301 | 351 | 401 | 451 | 501 |



Ordering Procedure

| Model | Measurement stroke (mm) | Linearity (%) | Resistance (kOhm) | Connector / Cable |
|-------|-------------------------|--|--|---|
| SLPC | 175 | D | 5K | 1M |
| SLPC | 10 - 400 mm | A : ±0,5 (<75mm), B : ±0,2 (75-130mm), C : ±0,1 (130-200mm), D : ±0,05 (>200mm) | 2K: 2 kOhm (<75 mm) 5K: 5 kOhm (75-400mm) | 1M : 1 meter cable (standard) 1M5 : 1 meter cable (standard) 2M : 2 meter cable C5 : Connector |