

**SLPC** mm

Features

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SLPC

Cable type



SLPC Connector type

| • | Long mechanical life             |
|---|----------------------------------|
| • | Excellent repeatability <0.01 mm |

Measuring range 10-300 mm

Infinite resolution

## Technical Specifications

| Measurement stroke          | 10 to 300 mm   |
|-----------------------------|--|
| Linearity                   | ±%0,05 (>200mm), ±%0,1 (130-200mm),<br>±%0,2 (75-130mm), ±%0,5 (<75mm) |
| Repeatability               | < 0,01 mm  |
| Resolution                  | Infinite   |
| Resistance                  | 5 kOhm or 10 kOhm (2kOhm for 10-25mm)                                  |
| Resistance tolerance        | ±%20   |
| Load Resistance             | 100 KOhm min   |
| Recommended cursor current  | <1 µA  |
| Permissible applied voltage | 28 VDC max.  |
| Electrical connections      | Cable 1m or Connector output   |
| Displacement speed          | < 5 m/s  |

| Mechanical life       | 100 million cycles           |
|-----------------------|------------------------------|
| Case dimensions       | Ø18 mm                       |
| Case material         | Anodized aluminium           |
| Rod material          | Stainless steel              |
| Rod diameter          | Ø5 mm                        |
| Mechanical fixing     | Ball joints on the both side |
| IP degree             | IP 65                        |
| Operating temperature | -20°C +80°C                  |
| Storage temperature   | -30°C +90°C                  |

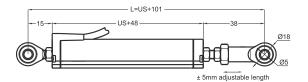
M16x075

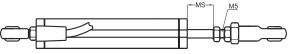
1 Blue (-)

2 Yellow (Vout)

3 Brown (+) Shield

SLPC C5 Connector type













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US MS

| SLPC(mm)                  | 10  | 25  | 50  | 75  | 100 | 125 | 150 | 175 | 200 | 250 | 300 |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| US<br>(Usefull Stroke)    | 10  | 25  | 50  | 75  | 100 | 125 | 150 | 175 | 200 | 250 | 300 |
| MS<br>(Mechanical Stroke) | 13  | 28  | 53  | 78  | 103 | 128 | 153 | 178 | 203 | 253 | 303 |
| L<br>(Total Length)       | 111 | 126 | 151 | 176 | 201 | 226 | 251 | 276 | 301 | 351 | 401 |

| Model          | 1 | Measurement stroke (mm) | Linearity (%)   | Resistance (KOhm)                                 | Connector / Cable  |  |
|----------------|---|-------------------------|---|---|--|--|
| (example) SLPC | ; | 175                     | D   | 5K  | 1M   |  |
| SLPC           | ; | 10 300mm                | D : ± %0,05 (>200mm)<br>± %0,1 (130-200mm)<br>± %0,2 (75-130mm)<br>± %0,5 (<75mm) | 2K: 2 KOhm (10-25mm)<br>5K: 5 KOhm<br>10K:10 KOhm | 1M : 1 meter cable (standard)<br>1M5 : 1,5 meter cable<br>2M : 2 meter cable<br>C5 : Connector |  |

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