



## GENERAL FEATURES

- One-sided actuating rod
- Measuring distance (stroke) options between 10mm and 100mm
- M10x0,75 bushing (optional others)
- Potentiometric measurement
- 1K, 5K and 10K resistance options
- $\pm 1\%$  high linearity
- Long life up to 5 million movements
- Compact design
- IP65 protection

## APPLICATIONS

- Gas pedal

## TECHNICAL SPECIFICATIONS

### Electrical Data

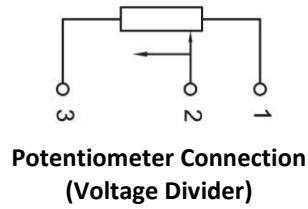
| Model                     | LK 010                                                  | LK 025 | LK 050 | LK 075 | LK 100 |
|---------------------------|---------------------------------------------------------|--------|--------|--------|--------|
| Electrical Stroke (mm)    | 10                                                      | 25     | 50     | 75     | 100    |
| Independent Linearity     | $\pm 1\%$                                               |        |        |        |        |
| Repeatability             | 0.05 mm                                                 |        |        |        |        |
| Resolution                | Infinite                                                |        |        |        |        |
| Output Type               | Potentiometric                                          |        |        |        |        |
| Resistance                | 1K, 5K, 10K (optional other)                            |        |        |        |        |
| Resistance Tolerance      | $\pm 20\%$                                              |        |        |        |        |
| Supply Voltage            | 42V max.                                                |        |        |        |        |
| Minimum Life (electrical) | 10 million cycles                                       |        |        |        |        |
| Electrical Connection     | 3x0,102 mm <sup>2</sup> soft PVC cable (optional other) |        |        |        |        |

### Mechanical Data

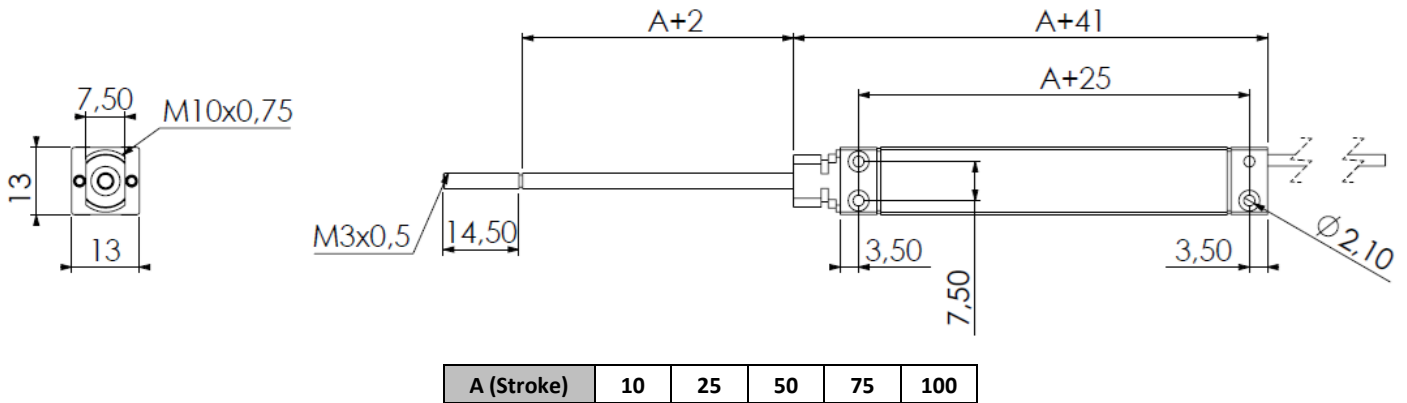
| Model                           | LK 010           | LK 025 | LK 050 | LK 075 | LK 100 |
|---------------------------------|------------------|--------|--------|--------|--------|
| Mechanical Stroke (mm)          | 12               | 27     | 52     | 77     | 102    |
| Adjusting force of the push rod | 3N max.          |        |        |        |        |
| Operating Temperature           | -25°C ... +75°C  |        |        |        |        |
| Storage Temperature             | -25°C ... +105°C |        |        |        |        |
| Protection Class                | IP65             |        |        |        |        |
| Minimum Life (mechanical)       | 5 million cycles |        |        |        |        |
| Rod Material                    | Stainless Steel  |        |        |        |        |
| Body Material                   | Aluminum         |        |        |        |        |

## ELECTRICAL CONNECTION

| SIGNAL        | CABLE COLOR |
|---------------|-------------|
| +V            | Green (1)   |
| Output Signal | Red (2)     |
| -V            | Yellow (3)  |



## MECHANICAL DIMENSIONS (mm)



## ORDER CODE

| Model                      |   |     |   | Resistance Value      |   |     |
|----------------------------|---|-----|---|-----------------------|---|-----|
| LK                         | - | XXX | - | XXX                   | - | XXX |
| Measuring Lengths (stroke) |   |     |   | Electrical Connection |   |     |
| 010 : 10mm                 |   |     |   | 0.15M : 15 cm cable   |   |     |
| 025 : 25mm                 |   |     |   | *Optional others      |   |     |
| 050 : 50mm                 |   |     |   |                       |   |     |
| 075 : 75mm                 |   |     |   |                       |   |     |
| 100 : 100mm                |   |     |   |                       |   |     |

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