



## GENERAL FEATURES

- Return spring system
- 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

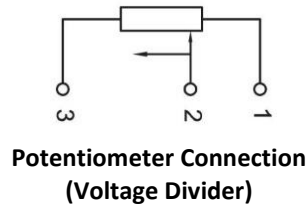
## TECHNICAL SPECIFICATIONS

| Electrical Data           |                                                         |         |         |         |         |
|---------------------------|---------------------------------------------------------|---------|---------|---------|---------|
| Model                     | LKR 010                                                 | LKR 025 | LKR 050 | LKR 075 | LKR 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) |         |         |         |         |

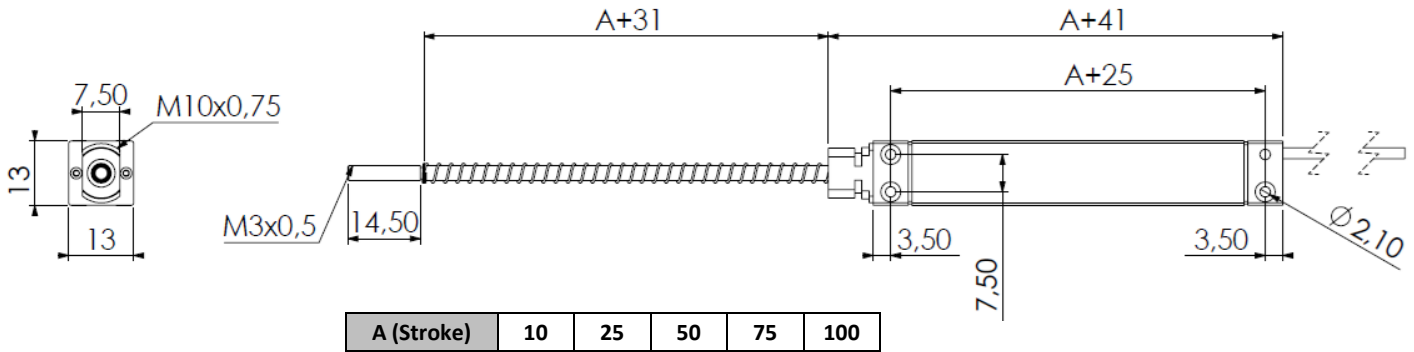
| Mechanical Data                                    |                  |         |         |         |         |
|----------------------------------------------------|------------------|---------|---------|---------|---------|
| Model                                              | LKR 010          | LKR 025 | LKR 050 | LKR 075 | LKR 100 |
| Mechanical Stroke (mm)                             | 12               | 27      | 52      | 77      | 102     |
| Adjusting force of the push rod with return spring | 10N 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      |   |     |
|----------------------------|---|-----|---|-----------------------|---|-----|
| LKR                        | - | 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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