



## LINEAR POTENTIOMETER



### Mechanical Data

|                   |                      |
|-------------------|----------------------|
| Case Dimensions   | 33mm x 33mm          |
| Case Material     | Anodized Aluminium   |
| Rod Diameter      | 6mm                  |
| Rod Material      | Stainless Steel      |
| Mechanical Life   | 100 million movement |
| Mechanical Fixing | Variable brackets    |

### Electrical Data

|                     |                     |
|---------------------|---------------------|
| Power Supply /      | 8V DC up to 30V DC  |
| Current Consumption | typ: 40mA at 24V DC |
| Power Consumption   | max. 1 W            |
| Protection          | Reverse Polarity    |

### Sensor Data

|                    |  |
|--------------------|--|
| Measurement Stroke | 30 to 1000 mm  |
| Resolution         | 15 bit (stroke : 32767 mm)   |
| Linearity          | ±%0,05 (>200mm)<br>±%0,1 (130 - 200mm)<br>±%0,05 (75 - 130mm)<br>±%0,5 (<75mm) |
| Response Time      | 1 ms (at 1.5 Mbit/s)   |
| Termination        | with switches  |

### Interface

|                 |                         |
|-----------------|-------------------------|
| Interface       | PROFIBUS-DP             |
| Protocol        | PROFIBUS-DP V0/V1/V2    |
| Line Driver     | galvanic isolated       |
| Node Addressing | by switches or software |
| Baud Rate       | Max. 12Mbit/s           |

### Diagnostic Leds

|           |  |
|-----------|--|
| Green Led | Power On,<br>PROFIBUS Communication Active |
| Red Led   | Error, Stop Mode                           |

### General Data

|                           |               |
|---------------------------|---------------|
| Protection                | IP65          |
| Working Temperature Range | -20°C to 80°C |

**Available from September 2019**