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**JLP L2S Fingertip Proportional Control Lever**

### Features
- Single Axis / Bi-Directional, panel mounting style
- 3 & 4-Pins potentiometer configuration
- Bi-Directional Switches

### Mechanical Specifications
- Lever deflection angle: +/- 32° +/- 1°
- Electrical angle: +/- 30° +/- 1°
- Operating temperature range: -25°C / + 85°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles
- Fixing screws included: 2 - M4x16

### Electrical Specifications

#### Potentiometer
- Electrical power rating: 0.25 W @ 25°C
- Ohmic resistance: 2.5 kΩ @ 25°C
- 5 kΩ @ 25°C
- Max. operating input voltage (Vin): 48 V or +/-24V
- Min. load impedance on pin 5 (Signal): 50 kΩ
- Max. operating current on pin 5: 1 mA
- Output voltage: See graph (2 off 4,5 mm ID)
- Linearity (resistive track): ±2% or better (Alternative: 4 off 3.5 mm ID)

#### Directional Switches
- Typical track resistance: 150 Ohm
- Max. operating input voltage: 48 V or +/-24V
- Min. load impedance on pins 2&3: 50 kΩ
- Max. operating current on pins 2&3: 1 mA
- Directional switches threshold angle: +/- 4°
- Connector type: wiring

### Electrical Connections

#### 4-Pins Configuration
- Connector type: 7 pin DUBOX (Mod. 70382-407)

### Output Signal Control Characteristic

#### 3-Pins Configuration
- Connector type: wiring

### Reference codes

<table>
<thead>
<tr>
<th>Output signal &amp; Bi-Dir. Switches</th>
<th>3-4 pins Potentiometer</th>
</tr>
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<td>8-100% VIN</td>
<td>5-100% VIN</td>
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**Overview of Dimensions**

- Overall Dimensions
  - Single Axis / Bi-Directional, panel mounting style
  - 3 & 4-Pins potentiometer configuration
  - Bi-Directional Switches

**Mechanical Specifications**

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JOYSTICKS

JLP L2S twin channel Fingertip Proportional Control Lever

Features
- Single Axis / Bi-Directional, panel mounting style
- Twin Channel potentiometer joystick
- Redundancy on the 100% of the stroke

Mechanical Specifications
- Lever deflection angle: ±32° ±1°
- Electrical angle: ±30° ±1°
- Operating temperature range: -25°C / +85°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles
- Fixing screws included: 2 - M4x16

Electrical Specifications
- Potentiometer
  - Electrical power rating: 0.25 W @ 25°C
  - Total resistance between pin 1 and 3: 2 kΩ ±20%
  - Tolerance between Track 1 and 2: ±4% of Vcc
  - Load resistance: 100 kΩ - nominal
  - Output voltage: See graph
  - Linearity (resistive track): ±2% or better

Potentiometer & Switches Options
- 2 off 4.5 mm ID
- 4 off 3.5 mm ID (Alternative)

Reference codes
- Output signal: S = 60% Vin
- 3 pins Potentiometer

Electrical Connections (pinout)

Output Signal Control Characteristic

Panel Cut-Out

Overall Dimensions

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