FTC L1S Fingertip Proportional Control Lever

Features
- Single Axis / Uni-directional
- 3-Pins Rotary Potentiometer
- Optional Enable Switch

Mechanical Specifications
- Lever deflection angle: 50° +/- 1°
- Electrical angle: 50° +/- 1°
- Operating temperature range: -25°C / +80°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles

Electrical Specifications
- 3-pins rotary potentiometer
  - Electrical power rating: 0.25 W @ 25°C
  - Ohmic resistance: A=50% of Vin 1 kOhm +/- 20%
    D=90% of Vin 5 kOhm +/-20%
  - Max. operating input voltage (Vin): 48 V or +/-24V
  - Min. load impedance on pin 2 (Signal) 50 kOhm
  - Max. operating current on pin 2 1 mA
  - Linearity (resistive track): 2% or better
  - Connection type: 0 = solder type (no connector)
    1= AMP Modu I/ 4 poles connector (mating connector kit included)

Neutral Position Switch (electromechanical type)
- Contacts: Silver Plated (solder type)
- Max. operating input voltage: 48 V or +/-24V
- Max. operating current: 1.5 A/inductive
- Neutral position switch threshold angle: +/-0°
- Protection class: IP55 (PE67 available on request)

Potentiometer & Switches Options
- Output signal: S=50% Vin  S=90% Vin
- 3-pin Pot
- 3-pin Pot & Enable Switch

Electrical Connections
- Potentiometer
- Neutral position switch MC

Ordering Information: see page 4

Panel Cut-Out

Neutral position switch threshold angle: +4°

Protection class: IP55 (IP67 available on request)

Potentiometer & Switches Options
- Output signal: S=50% Vin  S=90% Vin
- 3-pin Pot
- 3-pin Pot & Enable Switch

Electrical Connections
- Potentiometer
- Neutral position switch MC

Ordering Information: see page 4
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FTC L2S Fingertip Proportional Control Lever

Features
- Single Axis / Bi-Directional
- 3-Pins Rotary Potentiometers
- Optional Center/Power-off or Bi-Directional Switches

Mechanical Specifications
- Lever deflection angle: +/- 25° +/- 1°
- Electrical angle: +/- 25° +/- 1°
- Operating temperature range: -25°C / + 80°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles

Electrical Specifications
- Power rating: 0.25 W @ 25°C
- Ohmic resistance: / A=50% of Vin 1 kOhm +/- 20%
/ D=90% of Vin 5 kOhm +/-20%
- Max. operating input voltage (Vin): 48 V or +/-24V
- Min. load impedance on pin 2 (Signal): 50 kOhm
- Max. operating current on pin 2: 1 mA
- Min. load impedance on pin 2 (Signal): 50 kOhm
- Max. operating current on pin 2: 1 mA
- Neutral position switch threshold angle: +4°
- Protection class: IP55

Potentiometer & Switches Options
Output signal
3-pin Potentiometer
3-pin Pot & Center Switch
3-pin Pot & Bi-Dir Switches

Reference codes
A B E (std)

Electrical Connections

Ordering Information: see page 4

**FTC L2S Fingertip Proportional Control Lever**

**Features**
- Single Axis / Bi-Directional
- 3-Pins Rotary Potentiometers
- Optional Center/Power-off or Bi-Directional Switches

**Mechanical Specifications**
- Lever deflection angle: +/- 25° +/- 1°
- Electrical angle: +/- 25° +/- 1°
- Operating temperature range: -25°C / + 80°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles

**Electrical Specifications**
- Power rating: 0.25 W @ 25°C
- Ohmic resistance: / A=50% of Vin 1 kOhm +/- 20%
/ D=90% of Vin 5 kOhm +/-20%
- Max. operating input voltage (Vin): 48 V or +/-24V
- Min. load impedance on pin 2 (Signal): 50 kOhm
- Max. operating current on pin 2: 1 mA
- Neutral position switch threshold angle: +4°
- Protection class: IP55

**Potentiometer & Switches Options**
Output signal
3-pin Potentiometer
3-pin Pot & Center Switch
3-pin Pot & Bi-Dir Switches

Reference codes
A B E (std)

**Electrical Connections**

Ordering Information: see page 4

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FTC L2S Fingertip Proportional Control Lever

Features
- Single Axis / Bi-Directional
- 4-Pins Rotary Potentiometer
- Optional Center/Power-off or Bi-Directional Switches

Overall Dimensions

Mechanical Specifications
- Lever deflection angle: +/- 25° +/- 1°
- Electrical angle: +/- 25° +/- 1°
- Operating temperature range: -25°C / +80°C
- Protection class: IP 65 (above panel)
- Life: 3 million cycles

Electrical Specifications
- 3-pins rotary potentiometer
  - Ohmic resistance: / G=40% of Vin 1 kΩ +/- 20%
  - L=100% of Vin 5 kΩ +/- 20%
  - Max. operating input voltage (Vin): 48 V or +/-24V
  - Min. load impedance on pin 2 (Signal): 50 kΩ
  - Max. operating current on pin 2: 1 mA
  - Output voltage: See graph
  - Linearity (resistive track): 2% or better
  - Connection type: 1x AMP Modu 4 poles connector (mating connector kit included)

Center / Bi-Directional Switches (electromechanical type)
- Contacts: Silver Plated (solder type)
- Max. operating input voltage: 48 V or +/-24V
- Max. operating current: 1.5 A/inductive
- Neutral position switch threshold angle: +4°
- Protection class: IP55 (IP67 available on request)

Potentiometer & Switches Options
- Output signal: S=40% Vin  S=100% Vin
- 4-pin Potentiometer G L
- 4-pin Pot. & Center Switch H M
- 4-pin Pot. & Bi-Dir. Switches I N (std)
- 4-pins pot.
- 4-pin Pot. & Bi-Dir. Switches none X

Ordering Information: see page 4

Electrical Connections

Output Signal Control Characteristic

4-pins pot. configuration

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