

Data Sheet for Joysticks

Fingerjoystick

Series XTbar



- Fader for precise control
- Smooth consistent feel over lifetime
- Low-noise hall sensor

Faders of the XTbar series were designed for applications which not only require a low signal noise, but especially profit from constant operation forces over lifetime. This enables the user to concentrate on his real work - without the need to handle drifting operation forces.

Technical Data

Sensors	Hall effect
Supply Voltage	5 VDC $\pm 0,5$ VDC transient free
Output Voltage	0..5 V / 0,5..4,5 V / others upon request
Power Consumption	13 mA
Reverse Polarity max	-10 VDC
Overvoltage max.	20 VDC
Output Impedance	10 Ohm

Mechanical and environmental data

Mechanical Angle of Movement	63° ($\pm 31,5^\circ$ from center)
Operating Force	0,5 N
Expected Life	1 Million operations
IP class	For indoor use
Operation Temperature	-25°..+70°C
Storage Temperature	-40°..+70°C
Weight	ca. 65g

Standard Handles

Barrel



Bullet



Handles of the XTbar series are supplied separately, in two halves. After mounting the XTbar to the panel, these two parts can be easily screwed together.

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Order Code

Series	XTbar			
Handles				
Barrel		1		
Bullet		2		
Output Options				
0..5 V (rail to rail)			5	
0,5..4,5 V			4	
others (*)				
Polarity of Output Signal				
Standard				S
Reverse				R (*)

(*) upon request

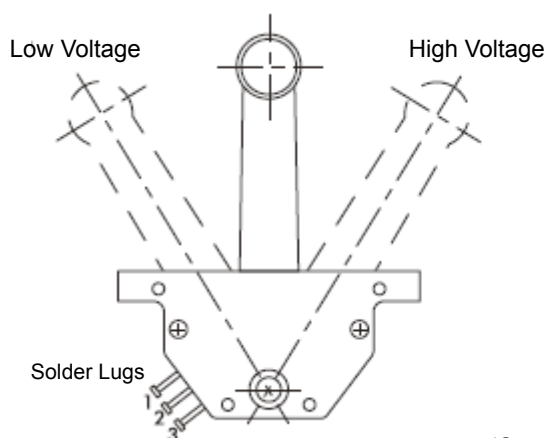
For series demands these and further customer-specific solutions are available

For example:

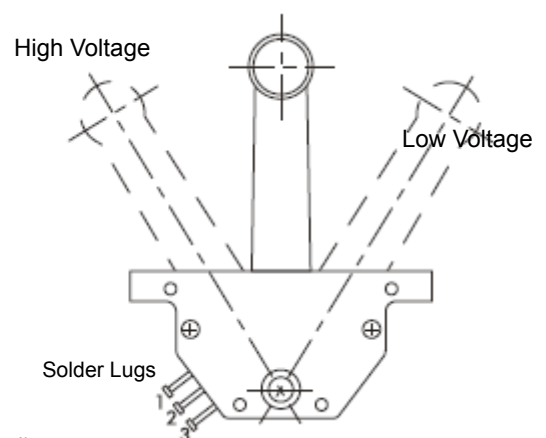
- Other Output signal spans; PWM Output
- Customer-specific handles
- Cables and connectors

Polarity of Output Signal

Standard Polarity S



Reverse Polarity R



Solder Lugs

- 1 +5 V
- 2 Signal Out
- 3 0 V

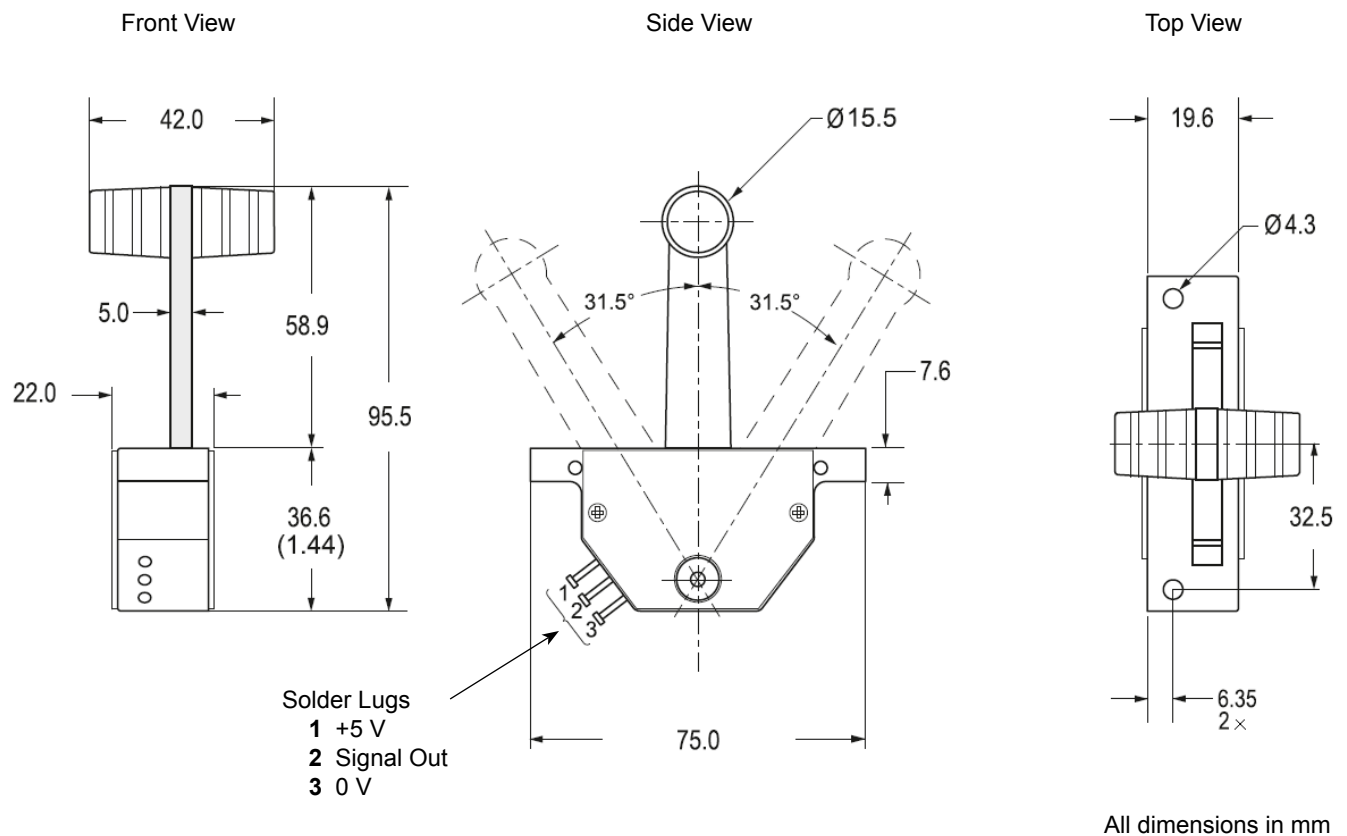
(Connection cable not included)

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Technical Drawing



Installation Dimensions

