



MONO RIMBO FINGER JOYSTICK

Due to its space-saving design and precise controllability, the MONO RIMBO finger joystick is the ideal solution in limited installation space. The single-axis joystick's cap is available in several colours and can be laser-engraved with both standard and customer-specific symbols. The modular design allows it to be used in a wide number of industrial applications.

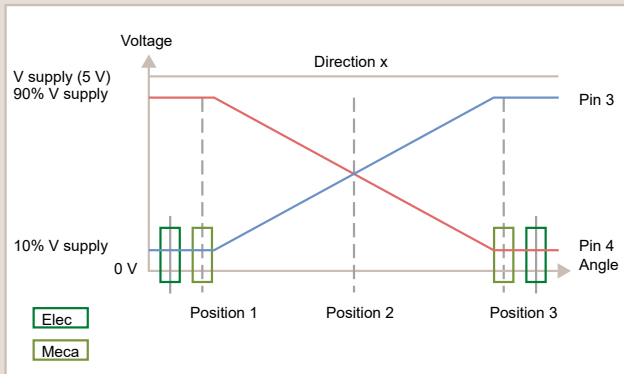
- Central zero position
- Angle of rotation $\pm 30^\circ$
- Contactless Hall-effect sensor technology
- Two analogue signals, X characteristic
- Sensitive control
- Ergonomic design
- Protection class IP 68, except plug
- Long service life of 5 million cycles
- EMC in accordance with EN 12895: 2015-09
- EMC 100 V/M in accordance with ISO 11452-2
- Functional safety in accordance with EN ISO 13849, PL d

Joysticks



www.frei.de

Transmission protocol



Technical data

Technology Contactless hall sensors

Mechanical data

Dimensions See drawing

Mechanical angle of rotation $\pm 30^\circ$

Electrical data

Rated voltage 5 VDC ± 0.02 V

Operating voltage range 4.5 – 5.5 V DC
(ratiometric output)

Power current < 50 mA

Analogue output @5 V X characteristic: 0.5 – 4.5 V DC

Operating conditions

Operating temperature -30°C to $+65^\circ\text{C}$

Storage temperature -40°C to $+85^\circ\text{C}$

Maximum force 0.09 Nm

Actuation force 8.5 Nm

Service life 5 million cycles

Protection class IP 68 (except for the
plug-in connector)

EMC EN 12595: 2015-09
100 V/M in accordance
ISO 11452-2

Connector pin assignment Molex Mini-Fit Jr.™

4 pin, dual row 39012040

PIN 1	+ 5 V
PIN 2	GND
PIN 3	Signal 1
PIN 4	Signal 2

Order data

Part No.	Designation
3203-00958-00	MONO RIMBO Finger joystick

Dimensions [mm]

