



POLLANA THUMBWHEEL

The compact POLLANA thumbwheel allows analogue functions to be controlled precisely. Depending on whether the short or the long actuator is attached, it can be used as a thumbwheel or a single-axis joystick.

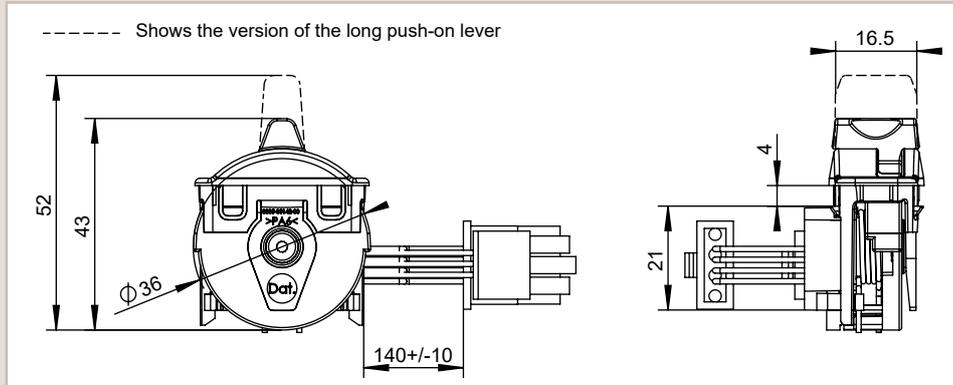
A choice of standard symbols or customer-specific symbols can be laser-etched in the housing. When combined with other items from the T range of switches, complete control units can be built up.

- Neutral position in the middle or at the end stop
- Angle of rotation: $\pm 30^\circ$ or 60°
- Conductive-plastic technology
- One analogue signal (V or Z characteristic)
- Two digital direction signals
- Ergonomic control
- Protection class: IP6K5 (front)
- Abrasion-resistant laser inscription
- Version with long push-on lever available for use as a fingertip joystick

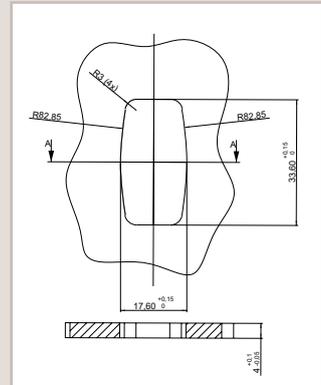




Dimensions [mm]



Mounting hole [mm]



Technical data

Proportional button (slider)

Sensor	Conductive plastic potentiometer
Potentiometer supply	Max. 15 VDC
Resistance	5 kΩ for wig-wag signal
Resistance	2 x 4 kΩ parallel for single-ended signal
Resistance tolerance	±20%
Wiper current	< 0.5 mA
Transverse current	Max. 4 mA
Electrical angle	±28°
Mechanical angle	±30°
Direction signal switching point	±5.5°
Direction signal switching current	Max. 1 mA / 60 V
Single-ended signal slope	±7°
Operating temperature	-30°C to +60°C
Degree of protection according to DIN 40050-9	IP6K5 (except for the connector)
Storage temperature	-40°C to +85°C
Service life	1 million cycles

Connector pin assignment Molex Mini-Fit, Jr.™

3-pin potentiometer 39-01-4030

PIN 1	Potentiometer supply
PIN 2	Signal output (wiper)
PIN 3	Potentiometer supply

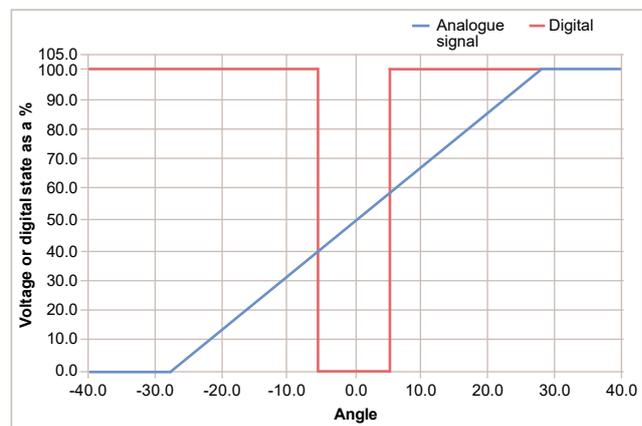
4-pin digital signal 39-01-4040

PIN 1	Direction 2
PIN 2	Common (+)
PIN 3	Not assigned
PIN 4	Direction 1

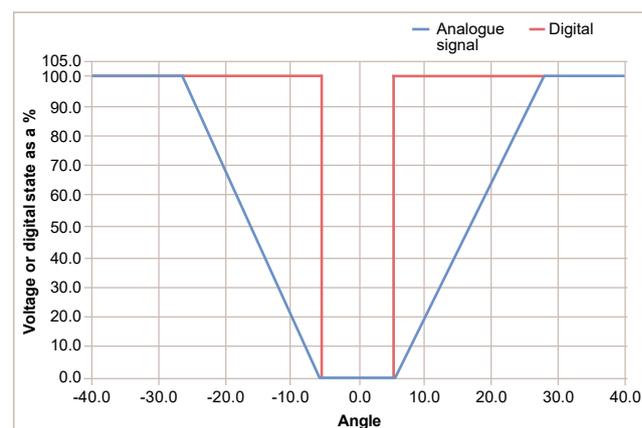
Order data

Part No.	Designation
3205-00322-OO	POLLANA thumbwheel with wig-wag signal centred, without symbol
3205-00322-OV	POLLANA thumbwheel with wig-wag signal centred, raise/lower symbol
3205-00323-OO	POLLANA thumbwheel with single-ended signal centred, without symbol
3205-00323-OV	POLLANA thumbwheel with single-ended signal centred, raise/lower symbol

Characteristic curve (wig-wag signal)



Characteristic curve (single-ended signal)



Version

- With long push-on lever for use as fingertip joystick
- For more detailed information, please contact us:
info-stt@frei.de