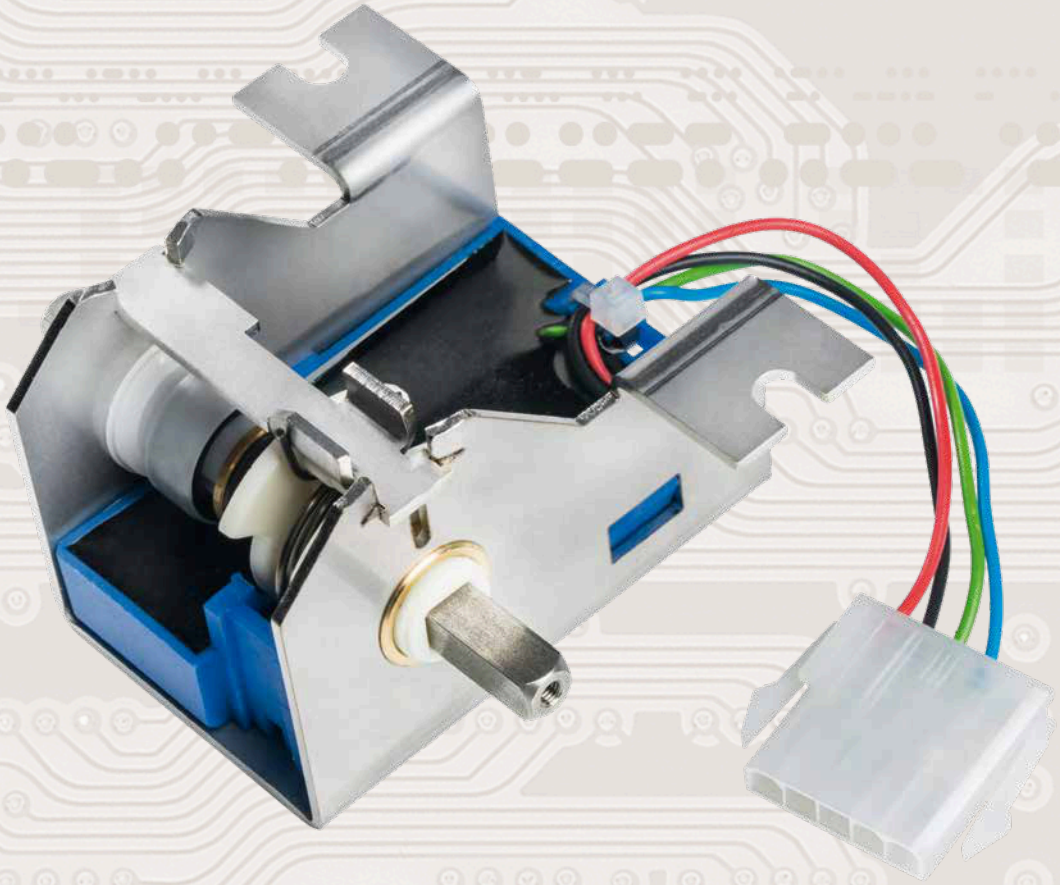


PIEGO TRACTION SWITCH

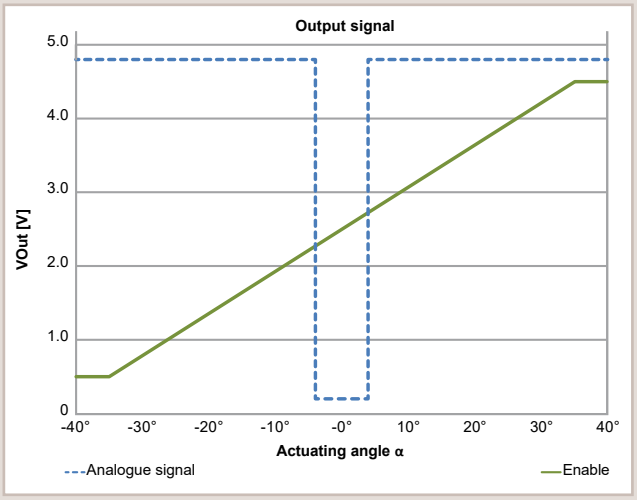
The PIEGO traction switch uses non-contacting Hall-effect sensors and has completely potted electronics. This enables it to be used in harsh environmental conditions. The state-of-the-art sensor and electronics design allows the PIEGO traction switch to be used to meet safety regulations according to EN 13849.
Customer-specific shaft lengths as well as customised housings are possible. Besides the travel function, on industrial trucks PIEGO allows proportional lifting and lowering to be implemented.

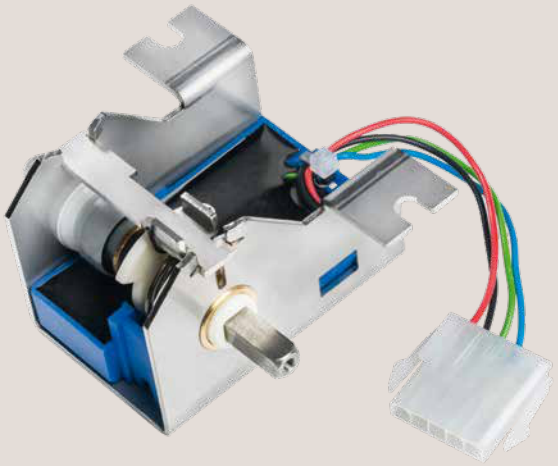
- Angle of rotation: ± 45°
- 6 mm square shaft; the shaft length can be specified by the customer
- Non-contacting Hall-effect technology
- Completely potted electronics
- Suitable for safety-related applications according to EN ISO 13849
- Various butterfly knobs available
- Protection class: IP 65

Traction switch

www.frei.de

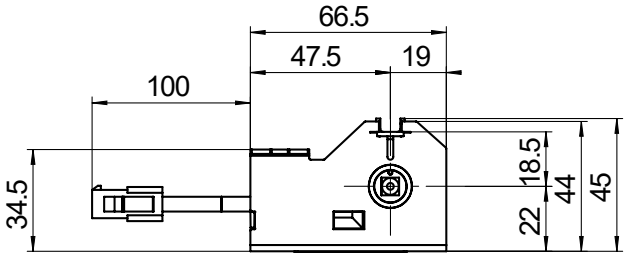
Characteristic curve (wig-wag signal)

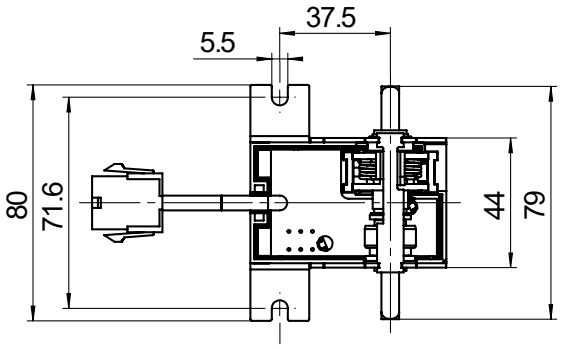




Technical data	
Operating elements	
Technology	Contactless via Hall sensors
Electric interface	
Voltage supply (Ub)	10 to 35 VDC
Analogue output	Characteristic curve (wig-wag signal): 0.5 – 4.5 V Max. 1 mA
Digital output	Switch to Ub
Connector system	Molex Mini-Fit Jr. 5-pin (39-01-4050)
Mechanical interface	
Mechanical angle of rotation	± 40°
Dimensions	66.5 mm x 44 mm
Operating conditions	
Operating temperature range	-40°C to +65°C
Protection class according to EN 60529	IP 65 (electronics)

Dimensions [mm]





Version

Versions with different electrical signals, connector systems and axle lengths are possible with an appropriate purchase. A variety of wing handles are possible as accessories.

Order data

Part No.	Designation
3105-00181-XX	The PIEGO accelerator switch is configured in a customer-specific manner

Connector pin assignment Molex Mini-Fit Jr. 14-pin. (39-01-4050)

Pin number	Role
1	Ub
2	GND
3	Analogue output (0.5 V – 2.5 V – 4.5 V)
4	Activate (switch for Ub)
5	Not assigned