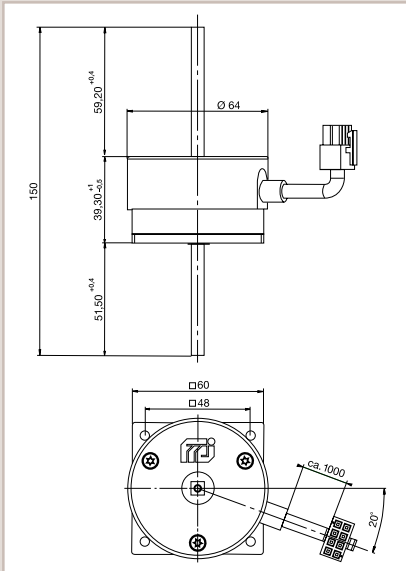


ROTONDO TRACTION SWITCH

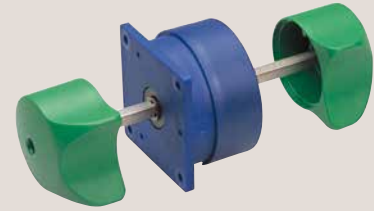
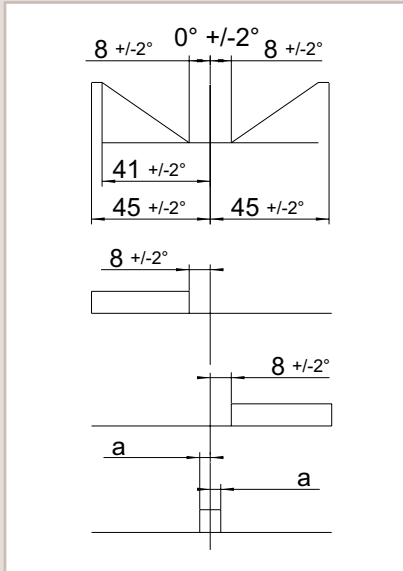
The ROTONDO traction switch is suitable for use as a setpoint generator for electrically powered vehicles and other systems. Its design and its housing with an integrated mounting flange make it very easy to install. The version with a through shaft is used for applications with two butterfly knobs. A version with a single shaft on one side is also available. Besides the analogue signal for the travel speed setpoint, the traction switch also delivers two digital direction signals.

- Different shaft versions are available (single-sided and through shaft)
- Angle of rotation: $\pm 45^\circ$
- Membrane-sensor technology
- Potentiometer analogue output (V characteristic) for travel speed
- Nominal supply voltage: 24 VDC, separate potentiometer supply
- Available with active-low or active-high digital signals
- Nominal supply voltage: 24 V
- Protection class: IP 54 (except for the connector)
- Various butterfly knobs available

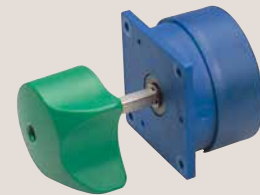
Dimensions [mm]



Characteristic curve



Continuous axle



Single-sided axle

Technical data

Mechanical data

Dimensions	See drawing
Mechanical movement	2 x 45°
Actuation	Square axle of size 6 x 6 mm
Contact system	Cable with 8-pin
39-01-2080	Molex Mini-Fit, Jr.™

Electrical data

Rated operating voltage	24 VDC (16.5 to 32 VDC)
Power consumption	< 20 mA
Supply voltage potentiometer	12 V max.
Resistance track potentiometer	5.875 kΩ
Max. current, analogue output	0.5 mA
Digital signal	
Output	Transistor with open collector
Max. permissible voltage	35 VDC
Max. permissible current	10 mA

Operating conditions

Operating temperature range	-30°C to +50°C
Service life	2 million cycles
Vibration test	DIN EN 60068-2-6/27/29
EMC	DIN EN 12895
Degree of protection according to DIN 60529	IP 54 (except for the connector)

Order data

Part No.	Designation
3105-00130-00	Continuous axle
3105-00130-01	Single-sided axle

Connector pin assignment Molex Mini-Fit, Jr.™

PIN	Signal
1	GND
2	Supply voltage (+ 24 V)
3	Digital signal – travel direction 1
4	Digital signal – travel direction 2
5	Analogue output (set value)
6	U _s potentiometer
7	GND potentiometer
8	Optional

Connecting diagram

