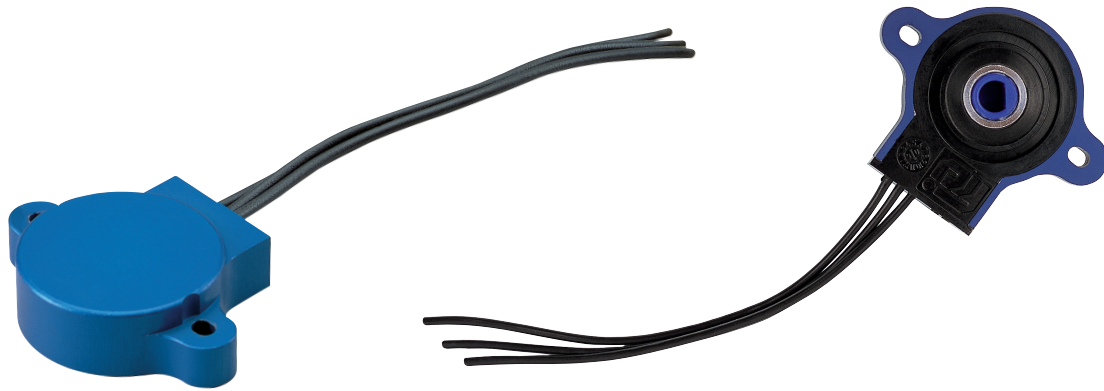


ANGLE POSITION SENSOR

The angle position sensor is suitable for the mounting in areas with limited space. The aluminium housing is impactproof and sealed against water and many types of oil. The precision angle sensors are used in steering systems or for measuring applications.

- Robust aluminium housing
- 360° rotary
- 2 channel
- High durability
- Small housing
- Protection class IP 63

Sensors



Technical Specifications

Mechanical Specifications

Technology	Film plastic
Shaft shape	Centre bore: D-Form D= 6 mm, H= 5 mm
Housing	Aluminium anodised
Mechanical range	360° through rotating
Torque	typical 2,2 Ncm
Cable type	3 or 4 x LIY 0.5 mm ²
Connector	see separate Datasheet
Contact	see separate Datasheet

Electrical Specifications

Power supply potentiometer	max. 32 V _{DC}
Electrical range	340° ± 3° (320° 2-channel)
Ferrule resistor	15 kΩ ± 20% 20 kΩ & 14 kΩ 2-channel
Linearity	± 2%
Reproducibility (hysteresis)	max. 0.6%
Configuration pin (1-channel)	1 = cw, 2 = ccw, 3 = wiper
Configuration pin (2-channel)	1 = cw, 2 = ccw, 3 + 4 = wiper

Operating Conditions

Operating temperature	-40°C to +85°C
Life time	2 Mio. cycles
Vibration test	According to IEC 68-2-6
Protection class (DIN 40050)	IP 63 (except connector)

Special Design

- 2-channel version with separated wiper channels, but with common supply voltage

Order Data

Part-No.	Description
3113-00001-01	Sensor 1 channel Universal MATE-N-LOK
3113-00002-00	Sensor 2 channel Universal MATE-N-LOK
3113-00002-01	Sensor 2 channel Molex Mini-Fit Jr.

Dimensions [mm]

