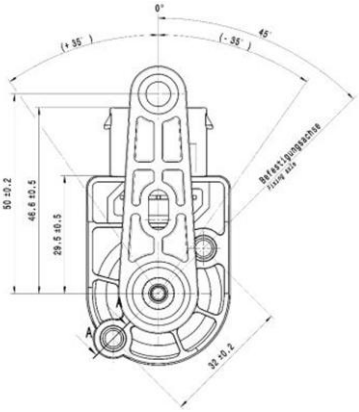
Fast Facts

Inductive Position Sensor 52101

The KYOCERA AVX Sensor 52101 is a compact inductive angle sensor for precise, contactless rotary position measurement in demanding automotive and industrial systems. Designed with one analog output signal and a ±35° angle range, it supports reliable feedback for control units, actuators, pedals, levers and machine controllers. Its 5 V supply, protected connector concept and IP6K9K sealing make it suitable for harsh environments where stable position detection is required. With 0.5 V to 4.5 V output, strong linearity and robust inductive sensing technology, the 52101 enables durable motion feedback for low-maintenance angle measurement applications.

Special Features

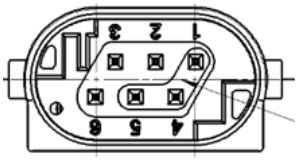
- Inductive sensing technology
- Angle range: ±35°
- Electrical interface: single-channel analog output signal (0.5 - 4.5 V)
- Supply voltage: 5 V
- Operating temperature range: -40 °C to +100 °C
- Connector: AMP No. 114-18063-21, coding A
- Sealing grade: IP6K9K (in mounted state)
- RoHS / REACH compliant (Pb-free accord. to techn. rules)
- High accuracy independent linearity ≤ 0.9 %

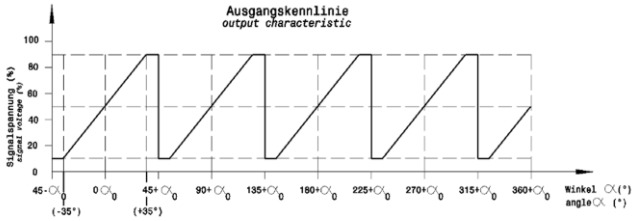


Typical Applications

- Accelerator pedal position sensing
- Hand throttle position feedback
- Throttle and flap position monitoring
- Gear selector and lever position detection
- Vehicle actuator feedback
- Off-highway vehicle control systems
- Industrial valve and damper monitoring
- Hydraulic joystick and lever sensing
- Mobile machinery control systems
- Factory automation position feedback

PIN *pin*	Belegung *configuration*
5	+5V
4	Signal
1	Masse / GND





General Note This datasheet does not give any information on product availability. The information given is just meant to describe the product and is not to be considered as guaranteed characteristics in the legal sense. All products are subject to design changes in the interest of further technical development. Copyright: KYOCERA AVX Components (Werne) GmbH (GER)
www.kyocera-avx.com