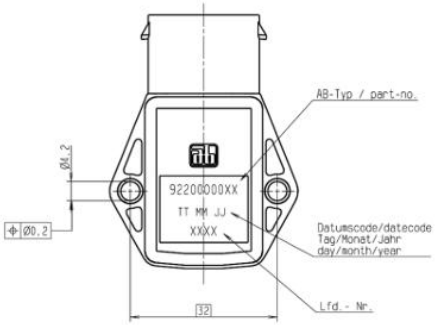
Fast Facts

Hall-effect Position Sensor 92200

The KYOCERA AVX Sensor 92200 is a compact Hall-effect angle sensor for precise, contactless rotary position measurement across wide angular ranges. Designed with one analog voltage signal, it supports reliable feedback for control units, actuators and machine controllers. Its 90° to 360° angle range makes it suitable for extended rotary movement, including pedals, levers, valves and industrial motion systems. With protected sealing, gold-plated terminals and robust vibration performance, the 92200 is built for harsh automotive and industrial environments. The sensor enables straightforward 5 V integration and durable position feedback where accurate, low-maintenance angle measurement is required in critical rotary motion-control applications.

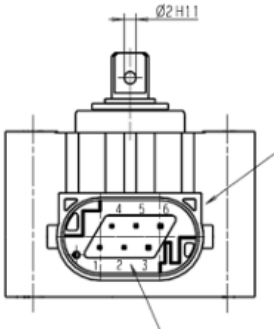
Special Features

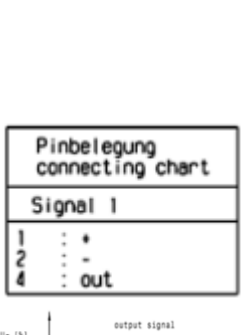
- Hall-effect technology
- Angle range: ±45°, ±60°, ±90°, or ±180° available
- Electrical interface: single-channel analog output signal (0.5 – 4.5 V)
- Supply voltage: 5 V
- Operating temperature range: -40 °C to +120 °C
- Connector: AMP No. 114-18063-21, coding A
- Sealing grade: IP6K9K (in mounted state)
- RoHS / REACH compliant (Pb-free accord. to techn. rules)



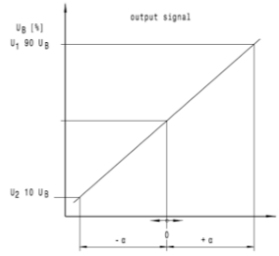
Typical Applications

- Accelerator pedal position sensing
- Throttle and valve position feedback
- Steering angle and rotary position detection
- Gear selector and lever position monitoring
- Vehicle actuator feedback
- Off-highway vehicle control systems
- Industrial valve and damper monitoring
- Hydraulic joystick and lever sensing
- Robotics and motion-control systems
- Factory automation position feedback





Elektrischer Winkel α *electrical angle α*	AB Typ-Nr.: *AB part-no.:*
±45°	92 200 010 10
±60°	92 200 010 20
±90°	92 200 010 30
±180°	92 200 010 40



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