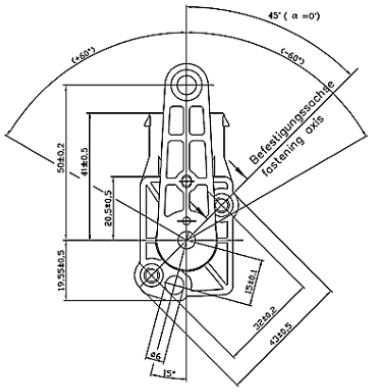
Fast Facts

Hall-effect Position Sensor 91743

The KYOCERA AVX Sensor 91743 is a compact Hall-effect angle sensor for precise, contactless rotary position measurement in demanding automotive and industrial systems. Designed with one analog output signal and a 120° angle range, it supports reliable feedback for control units, actuators, pedals, levers and machine controllers. Its 5 V supply, protected housing and robust connector sealing make it suitable for harsh operating environments where stable position detection is required. With IP-rated protection, low current consumption and durable magnetic sensing technology, the 91743 enables accurate motion feedback for vehicle platforms, off-highway equipment and industrial machinery requiring low-maintenance angle measurement.

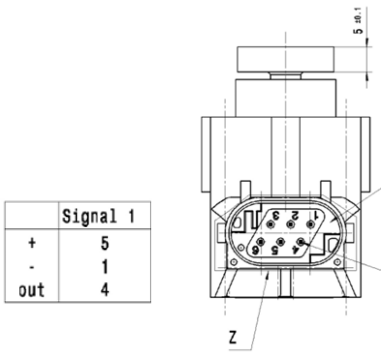
Special Features

- Hall-effect technology
- Angle range: ±60°
- 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)

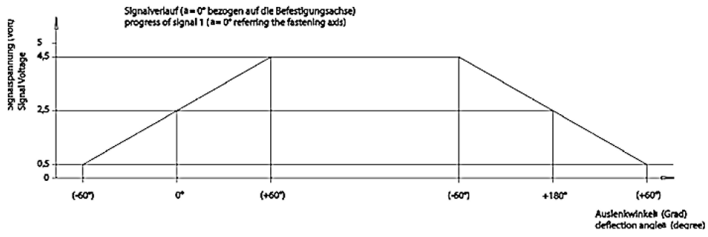


Typical Applications

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



	Signal 1
+	5
-	1
out	4



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