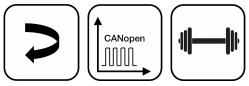
novotechnik
Siedle Group

NOVOHALL
Rotary Sensor
Touchless

RFX-6900
Heavy Duty
CANopen
Mobile Applications



Special Features
- Very robust design for extreme environments
- Touchless hall technology
- Electrical range up to 360°, in one and multi-channel version
- 2-part, mechanically decoupled
- Enhanced corrosion protection due to anodized aluminum housing, salt spray resistant
- Excellent linearity
- High resolution to 14 bits
- Absolutely impermeable to splash-water IP6K9K
- High temperature resistance
- For highest EMC requirements such as ISO pulses and interference fields according to ISO 11452 and ECE directive

Applications
- Position measurement in steering systems
- Pivotable vehicle bracings
- Transport systems with several steered axes
- Construction and agricultural machinery

The angle sensor RFX-6900 is designed for use in mobile applications under extreme environmental conditions. The sensor is suitable for a continuously ambitous operating.
The two-part design consisting of sensor and magnetic position marker offers great flexibility when mounting. The absence of shaft and bearing makes the assembly much less sensitive to axial and radial application tolerances - separate couplings are obsolete. Measurements can be made transmissively through any non-ferromagnetic material. The sensor is perfectly suitable for use in harsh environmental conditions through the completely encapsulated electronics.

Description	
Material	Housing: aluminium AlMgSi1, anodized, salt spray resistant
Mounting	With 3 screws M4, screw-in depth 7 mm min.
Fastening torque of mounting	250 ± 50 Ncm
Electrical connection	Cable with cable screw connection, 4x 0.5 mm² (AWG 20), TPE, shielded / Connector M12x1, A-coded

Mechanical Data	
Dimensions	See dimension drawing
Mechanical travel	360° continuous
Weight	approx. 200 g

novotechnik
Siedle Group

Novotechnik
Messwertaufnehmer OHG
P.O.Box 4220
73745 Ostfildern (Germany)
Horbstrasse 12
73760 Ostfildern (Germany)
Phone +49 711 4489-0
Fax +49 711 4489-118
info@novotechnik.de
www.novotechnik.de

© Mar 1, 2021

The specifications contained in our datasheets are intended solely for informational purposes. The documented specification values are based on ideal operational and environmental conditions and can vary significantly depending on the actual customer application. Using our products at or close to one or more of the specified performance ranges can lead to limitations regarding other performance parameters. It is therefore necessary that the end user verifies relevant performance parameters in the intended application. We reserve the right to change product specifications without notice.