Integrated steering angle sensor

BPW has developed an integrated solution for steering angle sensor systems. Designed specifically for the AGRO Turn and the GS(H)LL 14010 steering axles, these innovative sensors provide you with a complete range of applications including electronic positive steering systems.

This solution gives you the highest functional reliability and robustness in a compact and protected installation position.
BPW offers two optional sensors for its products

**Features and benefits**

- Sensor system pre-installed
- Easy set up of steering angle
- Closed solution protecting against dust and oil
- High reliability
- Long lifetime
- Optimised for BPW steering axles

**MOBIL ELEKTRONIK sensor**

- Ready to use with “MOBIL ELEKTRONIK” electronic steering system
- Dual outputs for safety critical applications.
- Easy setup
- Easy reference point alignment

**ELOBAU sensor**

- Normal sensor (single output)
- Dual outputs for safety critical applications
- Easy setup
- Customized ELOBAU sensors are available (minimum order quantities are 25 axles/year)

**General data**

- **Supply voltage:** 9V ... 34V
- **Current consumption:** max. 25 mA
- **Output current per channel (up to mass):** max. 1 mA (≤ 0,05 mA for specified accuracy)
- **Output voltage range:** 0.25 V ... 4.75 V
- **Measuring range:** 2x70° (0° ± 35° für 2.5 V ± 2.25 V)
- **Repeat accuracy:** ≤ 0,1° in case of backlash-free and central positioning on the installation side
- **Housing:** IP6K6K / IP6K8 (1m;12h) / IP6K9K
- **Connector plug:** IP6K7 in plugged position with suitable mating plug
- **Temperature range:** -30°C ... +80°C
- **Cable length:** 2.0 m

4-pole round plug connector M13x1 (male)