



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.

The brands of the BPW Group:



we think transport



BPW offers two optional sensors for its products

Features and benefits

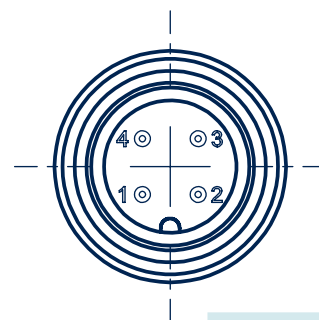
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|---|------------------------------------|
| › Sensor system pre-installed | › High reliability |
| › Easy set up of steering angle | › Long lifetime |
| › Closed solution protecting against dust and oil | › Optimised for BPW steering axles |

MOBIL ELEKTRONIK sensor

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

General data

Supply voltage:	9 V ... 34 V
Current consumption:	max. 25 mA
Output current per channel (up to mass):	max. 1 mA ($\leq 0,05$ mA for specified accuracy)
Output voltage range:	0,25 V ... 4,75 V
Measuring range:	2x 90° (0° \pm 45° for 2,5 V \pm 2,25 V)
Repeat accuracy:	$\leq 0,1^\circ$ 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)

PIN1	+UB
PIN2	OUT B
PIN3	GND
PIN4	OUT A

Steering angle sensor 2017-002-ENG

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)

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