Allied Motion

# SWS Steering Wheel Sensor

## *The Solution for Reach Trucks*

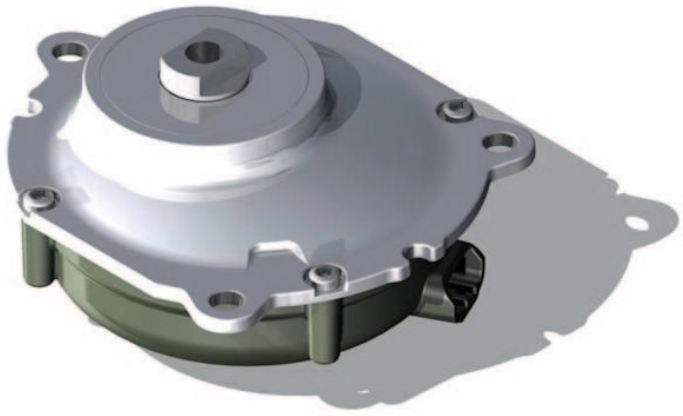
***Flat, Reach Truck Optimized,***
***Comfortable magnetic friction***

## *Compact and Safe*

***"For optimized design of your truck steering wheel"***

**The Allied Motion SWS Steering Wheel Sensor is specifically designed for use in Reach Trucks and similar applications. It offers a compact, easy to use solution to a common problem.**

**Mount your steering wheel directly on the SWS and connect it to the CAN bus.**



## General

- **Flat solution**
- **Integrated connector for high reliability and simple installation**
- **IP67**
- **For direct mount of typical EPS Steering Wheels**
- **Complies to PL d according to ISO 13849**
- **CAN output**

## Superior Steer Feeling

- **Integrated friction for typical Reach Truck applications**
- **Magnetic friction solution, no slip-stick, no wear**
- **High sensing resolution** ( ≥ 16,384 steps / rev)
- **No play**

**Reach trucks** and similar vehicles mostly utilize steer-by-wire type electric power steering, such as the Allied Motion EPS series. Without the mechanical connection, the truck designer is free to position the steering wheel where it is most suitable, from all aspects, ergonomic, practical and economical. Such a steering wheel should be comfortable to use and give a suitable feeling also in different temperatures, such as in cold stores.

Many EPS systems utilize technologies developed for other or more general purpose applications. It can be optical encoders, stepper motors or other products which originally were designed with other applications in mind.

The SWS is designed specifically to fit the very low profile steering wheels on reach trucks. This means not only its direct technical features, but also that common requirements on applicable standards for equipment on fork lift trucks have been considered.

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2017-11 · Preliminary, may be changed without notice.