

Fast Facts

Brake Position

E-Mobility and autonomous driving increases the need for new applications and adds new requirements to existing solutions. With our technologies we supply suitable solutions to detect the drivers demand for braking on different ways and for different customer specific requirements.

A fast and accurate detection improves the efficiency of the recuperation.

Market segments

Our multi-channel position sensors are ideal solutions for the increased safety requirements in the field of

- Brake boosting
- Regenerative braking

Typical features and benefits

Contactless linear at brake cylinder, booster or transmitter:

- Hall based technology
- Sensing through non-ferrous material
- Extend measuring range by special magnet configuration
- Linear travel up to 45 mm
- Accuracy +/-2.5 % of measurement range btw 0~25 mm
- Linearity +/-3.5 % within the work range
- Air gap: 4,3 mm between sensor and moving part

Rotary angle of the pedal:

- Differential Hall based technology
- Resistant against external magnetic fields
- Sensing through non-ferrous material
- Rotary angle fully customizable
- Independent linearity < 1 %
- Accuracy: < 2 %VDD

Rotary Angle of the linkage at the pedal:

- Inductive technology
- Sensing through non-conductive material (plastic, glass..)
- +- 22.5° measuring range
- Resolution >11 bit
- Accuracy < +- 1.5 %
- Wide range of outputs available: Analogue, PWM, PSI5, Sent as standard

