



[Accueil](#) > [Innovations & Solutions](#) > [Nos Technologies](#) >

Hall linear position switch



A Hall cell is used to sense the magnetic field created by a magnet fixed to the moving part. The magnetic field strength depends on the linear position of the magnet.

The switch produces a binary output signal depending on whether the magnetic field strength exceeds a threshold or not.

Electricfil solution - ready technologies

Characteristics

- Temperatures up to 150°C
- Typical accuracy: ± 0.7 mm
- Response time: 1 ms
- Airgap up to 2.0 mm
- Very small size
- Integrated diagnostics

Electricfil knowhow

- Suitable for integration in sensor clusters or mechatronic modules
- Wide range of packages and interfaces

Application domains

Transmission

[Clutch control and driver assistance](#)

Vehicle dynamics

[Clutch, brake, accelerator pedal](#)