

Melexis

INSPIRED ENGINEERING

LATERAL SENSING WITHIN LATCH
& SWITCH PRODUCTS

MLX92231 / MLX92291 / MLX92232
MLX92292

3-WIRE SENSOR

POSITION SENSING



The hammerhead shark is able to detect electronic signals of no more than half a billionth of a volt. The process uses specialized electroreceptors to detect and locate the source of an external electric field in its environment. What better animal to reflect our sensing capacities?

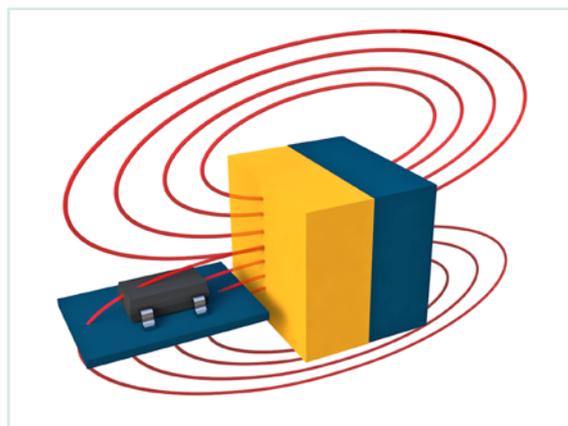
COMPACT MODULE DESIGNS

Melexis' Latch & Switch sensors use an innovative magnetic technology that allows the measurement of the lateral magnetic flux component.

With devices such as the MLX92231, the MLX92291, the, the MLX92232 and the MLX92292, which are commonly used in automotive applications such as transmission selectors (gear shifts) and HMI interfaces, the inclusion of an IMC allows the magnet to be placed beside the sensor, thereby saving space and enabling new applications where previously there was not enough room for a magnetic sensing solution.

KEY FEATURES

- ✓ Compact module designs
- ✓ Micropower and ASIL-B available
- ✓ Lateral sensing with IMC-Hall® technology
- ✓ Pre-programmed as well as end-of-line versions available
- ✓ High flexibility by EEPROM programming
- ✓ Wake-up functionality



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