

# Melexis

INSPIRED ENGINEERING

LATERAL SENSING WITHIN LATCH  
& SWITCH PRODUCTS

MLX92211 / MLX92221 / MLX92256

4-WIRE SENSOR

DC  
MOTOR



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?

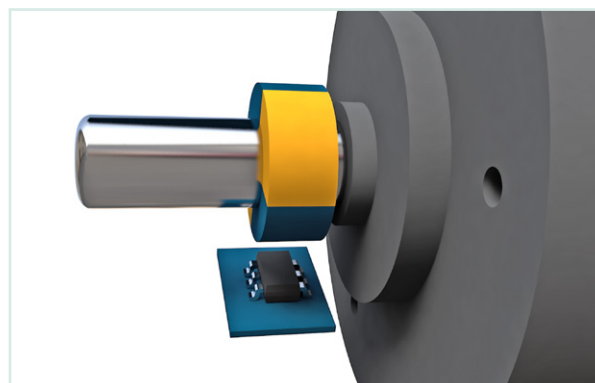
## FLEXIBILITY IN THE MAGNETIC DESIGN

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

In the automotive world, DC motors are proliferating into applications such as windows and seat positioning. The ability to sense direction had required a complex four-pole magnet but by including IMC technology into the MLX92211, the MLX92221 and newly released MLX92256 four-wire sensors a more accurate solution can be achieved with any magnet. The simplicity extends to setting up as only crude alignment is required to facilitate a pitch-independent sensor.

## KEY FEATURES

- ✓ Flexibility in the magnetic design
- ✓ Pitch independent
- ✓ Pulse and direction available
- ✓ Speed and speed available



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