

Hall Linear Position Sensors

The Components for Optimal
Values in Any Position



HIRSCHMANN
AUTOMOTIVE

HALL LINEAR POSITION SENSORS

Our linear position sensors have a particularly long service life.

Due to the magnetic system, they detect the position precisely and reliably.



TIPOVER SWITCH

TIPOVER SWITCH

Application

- linear position sensing of a cooler bypass flap
- contactless hall technology

Your Benefits

- no wear parts
- high chemical resistance
- programmable output characteristics
- high temperature resistance, up to 150° C
- compensated temperature influence
- robust design for the engine compartment
- absolute differential measuring system



PRESSURE BOX SENSOR

PRESSURE BOX SENSOR

Application

- linear position sensing of a turbo charger actuator
- contactless hall technology

Your Benefits

- no wear parts
- high chemical resistance
- programmable output characteristics
- high temperature resistance, up to 160° C
- compensated temperature influence
- robust design for the engine compartment
- absolute differential measuring system



LINEAR POSITION SENSOR FOR ENGINE APPLICATION

LINEAR POSITION SENSOR FOR ENGINE APPLICATION

Application

- linear position sensing of a regulating valve
- contactless hall technology

Your Benefits

- no wear parts
- high chemical resistance
- programmable output characteristics
- high temperature resistance, up to 150° C
- robust design for the engine compartment

LINEAR POSITION SENSOR FOR WATER PUMP APPLICATION



LINEAR POSITION SENSOR FOR
WATER PUMP APPLICATION

Application

- linear position sensing of a controlled water pump
- contactless hall technology

Your Benefits

- no wear parts
- high chemical resistance
- programmable output characteristics
- high temperature resistance, up to 125° C
- compensated temperature influence
- robust design for the engine compartment
- absolute differential measuring system

TECHNICAL PRODUCT INFORMATION

	DESIGNATION	MIN. VALUE	TYPE VALUE	MAX. VALUE
POSSIBLE LINEAR TRAVEL		0 mm		40 mm
LINEARITY ERROR	lin_error	±0.5 %VDD		±2.0 %VDD
AIR GAP	airgap	0.2 mm		10 mm
SUPPLY VOLTAGE	VDD	4.5 V	0.5 V	5.5 V
SUPPLY CURRENT	IDD			10 mA
INITIALIZATION TIME	tstart			5.0 ms
REFRESH RATE	tout			300 µs
ESD COMPATIBILITY	ESD			15 kV
OPERATING TEMPERATURE	amb	-40° C	+25° C	+160° C
TIGHTNESS			IP67	IP6K9K



**Markus Kreuter is your Contact
for Individual Questions**

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SEEKING MORE DETAILED INFORMATION?
SCAN ME AND VISIT OUR WEBSITE.



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