Bosch Motorsport Throttle Position Sensor RP86



Brand: Bosch Motorsport **Product Code:** BOSRP86

Availability: 2 Weight: 0.05kg

Dimensions: 5.00cm x 5.00cm x 5.00cm

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Price: \$275.00

Short Description

Used on many Formula 3 engines as well as some Porsche Cup Car models (cable throttle). Equivalent to Bosch production number 0280122016.

Description

This sensor is designed to measure rotational move- ment, e.g. throttle angle or spring travel. A throttle rotation moves an internal slider (wiper) on a resistive element which is supplied with voltage. Thus voltage proportional to the angle can be meas- ured. The housing and the bearings are made of high temperature resistant plastic. The main benefit of this sensor is the combination of a high quality production part and extremely short dimensions

Specifications Application

Application 0 to 86°

Angle between internal mechanical stops 95°

Operating temperature range -40 to 130°C

Max. vibration 700 m/s²

Technical Specifications

Mechanical Data

Weight w/o wire 26 g

Mounting 2 x M4

Lifetime 2 x 10⁶ rotations

Housing Synthetic material

Electrical Data

Power supply Us 5VDC

Max. power supply 42 V

Total resistance 2 k? ±20 %

Current Is 18 µA

Characteristic

Max. rotation speed 120 min -1

Direction of rotation Anti-clockwise

Both rotation directions are available on request.

Connectors and Wires

Mating connector 3-pole Compact D 261 205 334-01

Pin 1 VREF 5VDC

Pin 2 Ground

OEM Equivalent

Porsche 996 606 116 00

Bosch 0280122016

Installation Notes

The products of the RP series can be connected directly to most control units. The sensor has an internal mechanical stop and a Ø 14.65x2 sealing. Each mounting orientation is possible. The sensor meets all EMV, EMC and ESD automotive standards. Both rotation directions and other rotation angles available on request. Please find further application hints in the offer drawing and free down- load of the sensor configuration file (*.sdf) for the Bosch Data Logging System at our homepage.

Safety Note

The sensor is not intended to be used for safety related applications without appropriate measures for signal validation in the application system.

Specification

Make		
Porsche	Cup Car	

Product Gallery

