

Ride Height Sensor RHS

This sensor is designed to measure the distance to the ground.

To enable very precise measurement the sensor utilizes infrared measuring technology.

The main feature and benefit of this sensor is the combination of a durable, high quality production part design with a military spec connector.



Application	
Application	60 ... 140 mm
Operating temperature range	-10 ... 60 °C

Electrical Data	
Power supply	12 ... 24 V
Response time	5 ms
Input current	< 40 mA

Connectors and Cables	
Connector	ASL 6-06-05PD-HE
Connector loom	ASL 0-06-05SD-HE
Pin 1	U _{Supply}
Pin 2	Gnd
Pin 3	Sig
Pin 4	-
Pin 5	-
Various military and automotive connectors on request.	
Sleeve	DR-25
Cable size	AWG 24
Cable length L	15 ... 100 cm
Please specify the requested cable length with your order.	

Mechanical Data	
Weight w/o cable	105 g
Size	75 x 33 x 18 mm
Housing	plastic, fibreglass
Protection class	IP 67

Characteristic	
Signal output	0,25 ... 4,75 V
Output current	500 µA (analog output)
Alarm output	PNP (200 mA)
Resolution	0,5 ... 1 mm
Linearity	1 % FS
Light source	IR
Max. allowed ambient light	< 10.000 lux
Wave length	660 nm

Application Hint	
The RHS can be connected directly to most control units and data logging systems.	
The measurable range of the sensor is 60 ... 140 mm.	
Please avoid abrupt temperature changes.	
Sensor should only be mounted via the integrated mounting hole.	
Please ensure that the environmental conditions do not exceed the sensor specifications.	
Further application hints can be found in the offer drawing (http://www.bosch-motorsport.com).	

Part Number	
RHS	B 261 209 674



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