

## SD-VI05-200

## Inductive speed sensor



### Key Features

- Sensor reacts to crossing metal parts.

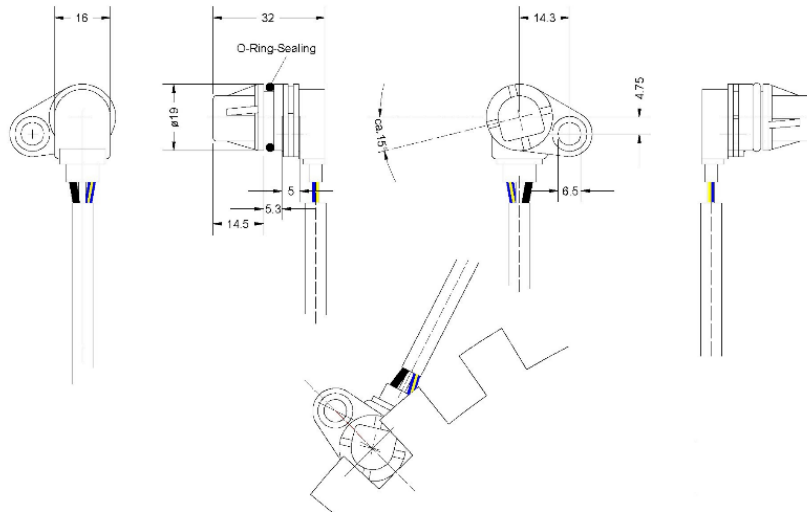
### Options:

- Connector and cable length can be modified on customer request
- Option with Sumitomo MT 3PM OEM connector available (SD-VI05-000)

### Technical specifications

<b>Electrical characteristics</b>			<b>Mechanical characteristics</b>		
Supply voltage	V	5 to 14	Housing material	ABS-PC	
Max. switch frequency with	Hz	1500	Weight	g	25
Impulse ratio 50:50			Connection	Deutsch AS 607-98 PN	
			Wire cross section	mm <sup>2</sup>	3 x 0,14
<b>Environmental data</b>			Type	Raychem DR-25	
Ambient operating range	°C	-25 to +160	Length	mm	140
Humidity	%	5 to 95	<b>Vibration resistance</b>		
			Shock	G	40
			During time period of	ms	10
			Vibration tested at	G	12
			Measured with	Hz	1000
			<b>Ordering information</b>		
			Art. No. SD-VI05-200		

## Dimensions



## Installation

- Appropriate signal donators:
  - Screws of the brake disc, parts of the brake disc, additional mounted parts
  - Use signal donators with sharp edges and a flat surface (no Allen bolts or lens screws)
- Distance between signal donator and sensor:
  - Steel: up to 4mm, recommended 2mm to 3mm
  - Same distance between all signal donators
- Max sensor switch frequency:
  - Select the amount of signal donators according to your maximum speed



### External pull-up resistor necessary

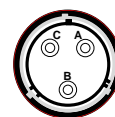
You need to add a pull-up resistor to your wiring harness.  
Recommended value: 4,7 kΩ

## Connector layout

## Connector type

### Deutsch AS 6 07-98 PN

Pin	Name	Description	Color
A	VCC	Sensor Power Supply (5-14V)	blue/yellow
B	Signal	Signal	white
C	Ground	Ground	black/blue



front view