

SPC SERIES FLANGED SPEED SENSOR



The SPC Series of Flanged Speed Sensors have been designed as simple compact sensors suited to the demanding motorsport and automotive testing industries.

The main construction is aluminium which provides for a robust sensor, even in exposed areas such as the engine bay or wheel hub. The sensor will continuously operate at temperatures up to 150°C.

By using a proven 'Hall Effect' technology, the SPC detects a change in magnetic field as the target passes the sensors tip. The output transistor switches its state as the target passes, so giving a measurable pulse train which can be used within standard data logging equipment or ECU's.

TECHNICAL SPECIFICATIONS

Measurement Frequency	8KHz
Sensor Type	Hall Effect
Mounting	Single Flange: Flange with Single Screw Fitting Dual Flange: Flange with Double Screw Fitting
Target Size (Width x Length)	8mm Wide x 1mm Long
Sensing Range (Air Gap)	1 to 3mm
Output	NPN. Internal Pullup Resistor Value 10KΩ
Max Load Current	25mA Max
Supply	5-24Vdc (10mA)
Operating Temperature Range	-40°C to +150°C
Construction	Anodised Aluminium
Electrical Connection	Please See Part Number Configurator
Cable Exit	Straight or Right Angle
Mechanical Dimensions	See Part Number Configurator & Drawings
Protection Class	IP67
Vibration Protection	5KHz Sine at 100g
Weight (Excluding Cable)	Single Flange: 8g Dual Flange: 10g
Options	Cable Spec, Connection Options and Labelling

Ka Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- Miniature Size
- Flange Mounting
- NPN Output
- 5-24V Supply
- IP67 Sealed
- Rugged Design

Applications

- Speed
- Crank Speed / Position
- Wheel Speed
- Drive Shaft Speed
- Traction Control
- Launch Control

kasensors.com

sales@kasensors.com

+44(0)1476 568057

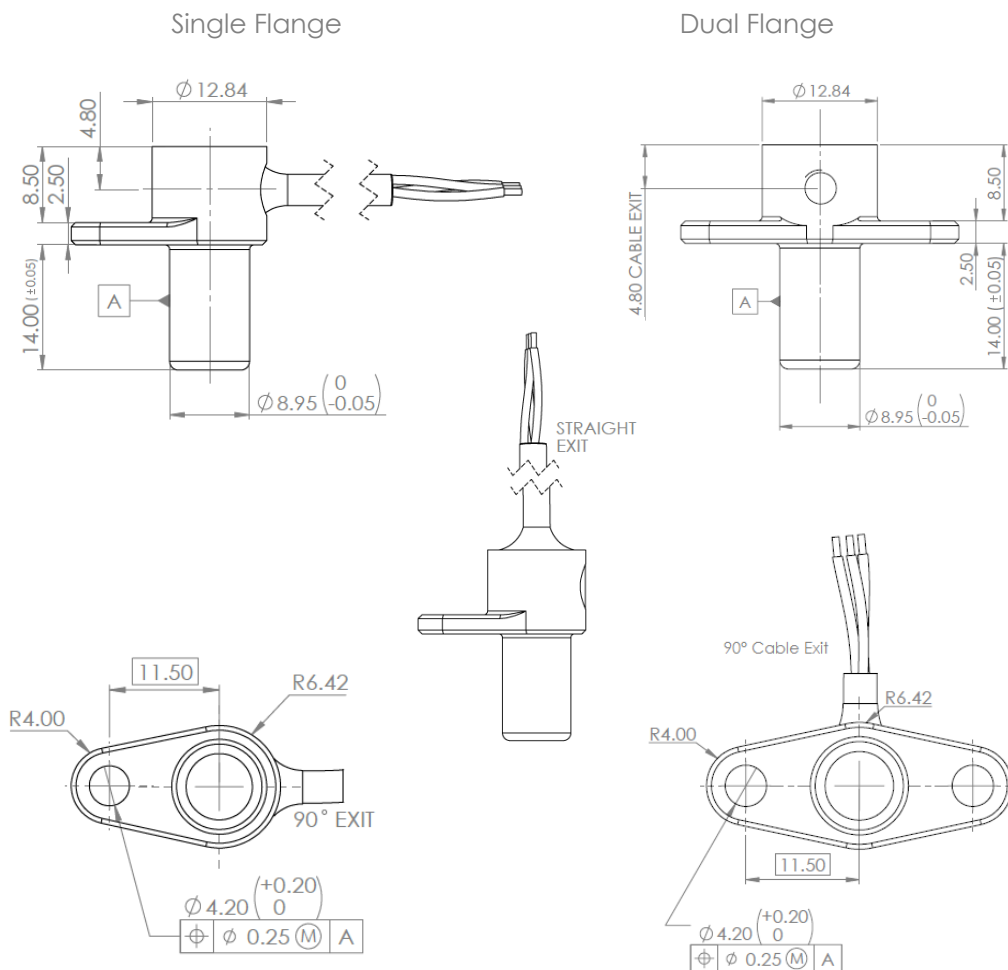
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PART NUMBER CONFIGURATOR

	SPC -	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Flange	Single Flange	FL					
	Double Flange	F2					
Output	NPN. Internal Pullup Resistor Value 10K Ω	NPN					
Sensor Length	14mm x 8.95mm Diameter Below Flange		14				
	18mm x 9mm Diameter Below Flange		18				
Electrical Connection	22AWG 55Spec Cable + DR25 Sleeve			2			
	24AWG 55Spec Cable + DR25 Sleeve			4			
	26AWG 55Spec Cable + DR25 Sleeve			6			
Cable Exit	90° Right Angle				RT		
	Straight				ST		
Cable Length	50cm					050	
	100cm					100	
Special Code	None						000

The KA configuration tool is used to specify a standard KA Sensor, other options are available.

MECHANICAL DETAILS



CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White

*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

KA Sensors Ltd
Unit 14 & 15
The Old Malthouse
Springfield Road
Grantham
Lincolnshire
United Kingdom
NG31 7BG

kasensors.com
sales@kasensors.com
+44(0)1476 568057

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