

## RCS K 37

“Non-Contact Measurement, Connection With Sleeve, Analog Output, IP67 Protection”



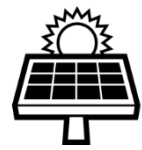
- Non-contact magnetic measurement
- 12 bit resolution
- User-selectable angle values between 0-360 °
- 4-20 mA, 0-5VDC, 0-10 VDC or 0.5-4.5 VDC ratiometric output options
- Long service life
- Connection with sleeve
- IP67 protection class

The RCS K 37 series sensors are used for taking angle measurement between The measuring limits can be adjusted between 0-360 ° depending on the user request. They have 0-5V, 0-10V, 4-20mA or ratiometric output options.

RCS RCS K 37 angle sensors with high accuracy, compact design and robust construction; offers suitable solutions for angle measurement in industrial areas like crane and lifting systems, robotic systems, solar energy, wind power plants, auto parts etc.

## SAMPLE APPLICATION FIELDS

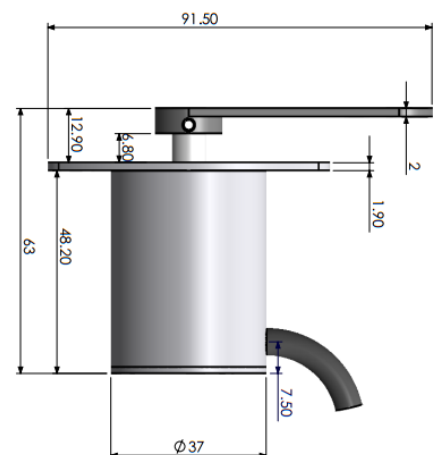
- Robotic systems
- Auto parts
- Solar and photovoltaic systems
- Automated guided systems
- Crane and lifting technology
- Wind power plant





## TECHNICAL SPECIFICATIONS

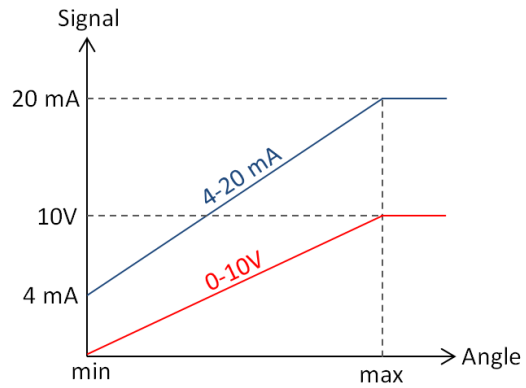
Measuring Range	Can be produced in the desired range from 0 to 360 °				
Measuring Type	Magnetic, non-contact				
Linearity	±%0.5 FS				
Resolution	12 bit				
Repeatability	0.1°				
Response Frequency	250 Hz				
Output Signal		0,5...4,5VDC Ratiometric	0...5VDC	0...10VDC	4...20 mA
	Supply	5 VDC	5 VDC or 9...32VDC	15...32 VDC	9...32 VDC
	Load	≥ 1KΩ	≥ 1KΩ	≥ 1KΩ	0...250 Ω
Current Consumption	30 mA max.				
Reverse Polarity Protection	Yes, only supply				
Electrical Connection	3 x 0,14 mm <sup>2</sup> shielded cable				
Max Operational Speed	3000 rpm				
Protection Class	IP67				
Operating Temperature	-25°C ... +85°C				
Weight	~150 gr				
Material	Body: Aluminum				
	Shaft: Stainless Steel				

### MECHANICAL DIMENSIONS (mm)



## ELECTRICAL CONNECTION

	
<b>SIGNAL</b>	<b>CABLE COLOR</b>
+V	Red
0V	Black
Output Signal	Yellow



## ORDER CODE

Model				Angle Value			Output Signal Direction		
				The desired angle value can be requested between 0-360 °			CW: Clockwise CCW: Counter Clockwise		
RCS K 37	-	XX	-	XX	-	XX	-	XXX	- XXX
				<b>Output Signal</b>			<b>Shaft Diameter</b>		
				A : 4-20 mA			8 : 8 mm		
				V : 0-10 V					
				V1: 0-5 V (9...32VDC supply)					
				V8: 0.5-4.5 V Ratiometric					
				V9: 0-5 V (5VDC supply)					
							<b>Electrical Connection</b>		
							0,5M: 0,5 m cable		
							*Ask for other options		