



# **ANGLE SENSOR**

## 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

Automated guided systems

Crane and lifting technology

Wind power plant

- Robotic systems
- Auto parts
- Solar and photovoltaic systems







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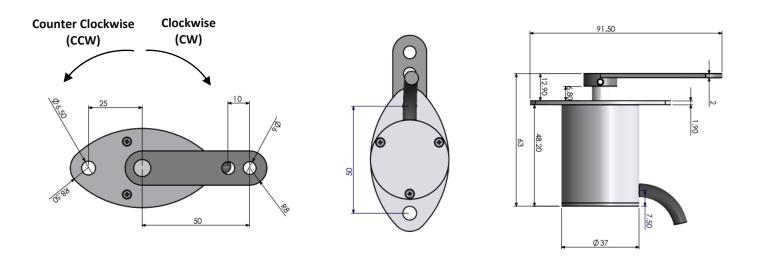
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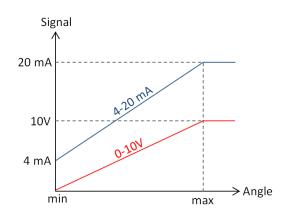
TECHNICAL SPECIFICATIONS						
Measuring Range	Can be produced in the desired range from 0 to 360 °					
Measuring Type	Magnetic, non-contact					
Linearity	±%0.3 FS					
Resolution	12 bit					
Repeatability	0.1°					
Response Frequency	250 Hz					
Output Signal		0,54,5VDC Ratiometric	05VDC	010VDC	420 mA	
	Supply	5 VDC	5 VDC or 1532VDC	1532 VDC	932 VDC	
	Load	≥1KΩ	≥ 1KΩ	≥ 1KΩ	0250 Ω	
Current Consumption	30 mA max.					
<b>Reverse Polarity Protection</b>	Yes, only supply					
<b>Electrical Connection</b>	3 x 0,14 mm <sup>2</sup> shielded cable					
Max Operational Speed	3000 rpm					
Protection Class	IP67					
<b>Operating Temperature</b>	-25°C +85°C					
Weight	~150 gr					
Material	Body: Aluminum					
Widteridi	Shaft: Stainless Steel					

### **MECHANICAL DIMENSIONS (mm)**



#### **ELECTRICAL CONNECTION**

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SIGNAL	CABLE COLOR	
+V	Red	
0V	Black	
Output Signal	Yellow	



#### **ORDER CODE**

