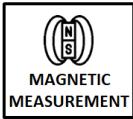
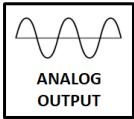




GENERAL FEATURES

- Non-contact 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
- IP67 protection class
- Push-on mechanical connection
- Long service life
- Compact design
- High accuracy



The RCS 29 series sensors are used for taking angle measurement between 0-360 ° depending on the user request. They have 4-20 mA, 0-5VDC, 0-10 VDC or 0.5-4.5 VDC ratiometric output options.

RCS 29 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.

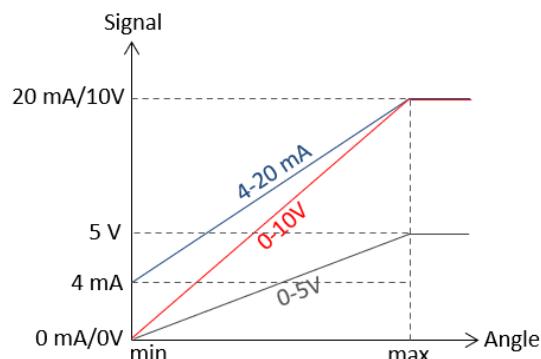
TECHNICAL SPECIFICATIONS

*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
	Supply	5 VDC	5 VDC or 9...32VDC	15...32 VDC
	Load	$\geq 1\text{ k}\Omega$	$\geq 1\text{ k}\Omega$	$0...250 \Omega$
Reverse Polarity Protection	Yes, only supply			
Electrical Connection	3 x 0,14 mm ² shielded cable and DT04-3P connector			
Max Operational Speed	120 rpm			
Protection Class	IP67			
Operating Temperature	-25°C ... +85°C			
Material	Body: Aluminum			
	Shaft: Stainless Steel			

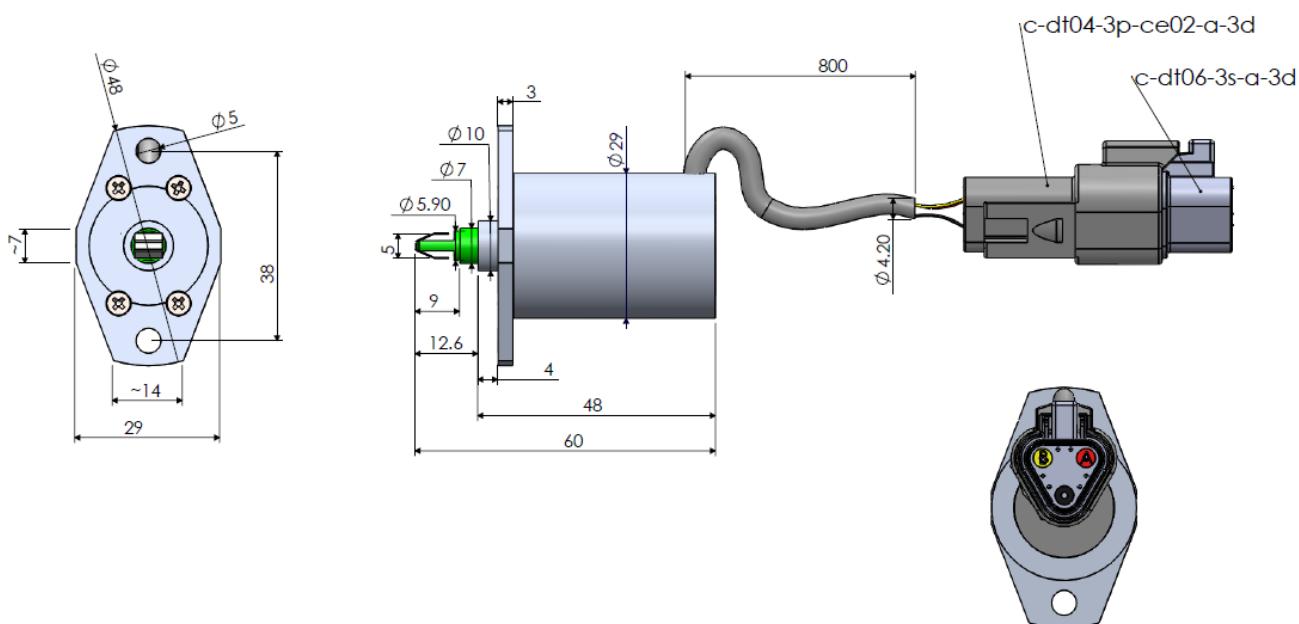
Note: The specifications specified by (*) vary depending on the model selected. The detailed code table for product selection is shown on page 2.

ELECTRICAL CONNECTION

SIGNAL	CABLE COLOR	DT04-3P CONNECTOR
+V	Red	A
Output Signal	Yellow	B
0V	Black	C



MECHANICAL DIMENSIONS (mm)



SAMPLE APPLICATION FIELDS

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



PRODUCT CODE

Model	Supply Voltage ⁽¹⁾		Output Signal Direction	
RCS 29	TTL: 5VDC PP: For 4-20mA output: 9...32VDC For 0-10V output: 15...32VDC For 0-5V output: 9...32VDC	XXX	XX	CW: Clockwise CCW: Counter Clockwise
XXX	Angle Value The desired angle value can be requested between 0-360 °	XXX	Output Signal A : 4-20 mA V : 0-10 V V1: 0-5 V (9...32VDC supply) V8: 0.5-4.5 V Ratiometric V9: 0-5 V (5VDC supply)	XXX
				Electrical Connection ⁽²⁾ 0.8M : 0,8m kablo (std)

(1) When the output signal is selected as 4-20 mA (A), 0-10V (V) or 0-5V (V1), the supply voltage must be PP. When the output signal is selected as 0.5-4.5V Ratiometric (V8) or 0-5V (V9), the supply voltage must be TTL.
 (2) Optionally, different cable lengths can be requested.

Sample code: RCS 29-360-TTL-V9-CW-0.8M

RCS 29 series, 0-360° measuring range, TTL supply, 0-5V output, Output signal direction is clockwise, 0.8 m cable

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