

# Angle

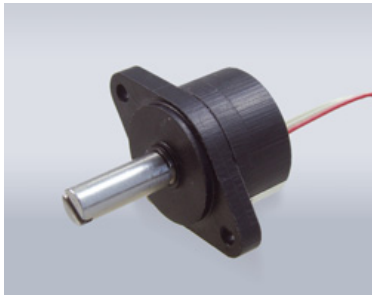
S E N S O R S

Magnetic Encoders



**MEGA**  
**MOTIVE**

Type	Electronic Version	Characteristics
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### RO22D

Singleturn serial interface

- Supply voltage: 5 V
- Output: synchronous serial  $\mu$ C interface

- low cost Version
- Housing  $\varnothing$  22 mm
- 12 Bit resolution
- Protection class IP67

### RO22A

Singleturn analog output

- Supply voltage: 5 V / 12 V / 24 V
- Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V
- Programmable rot. angle (factory setting)

### RO22I

incremental output

- Supply voltage: 5 V
- Output Signal: A + B + Index, TTL / OC
- 256 pulses



### R18D

Singleturn serial interface

- Supply voltage: 5 V
- Output: synchronous serial  $\mu$ C interface

- low cost miniature Version
- Housing  $\varnothing$  22 mm
- 12 Bit resolution
- Protection class IP67
- 2 ball bearings

### R18A

Singleturn analog output

- Supply voltage: 5 V / 12 V / 24 V
- Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V
- Programmable rot. angle (factory setting)

### R18I

incremental output

- Supply voltage: 5 V
- Output Signal: A + B + Index, TTL / OC
- 256 pulses



### RO28D

Singleturn serial interface

- Supply voltage: 5 V , 24 V (SSI)
- Output: synchronous serial  $\mu$ C interface or SSI Interface

- low cost Version
- Housing  $\varnothing$  28 mm
- 12 Bit resolution
- Protection class IP67

### RO28A

Singleturn analog output

- Supply voltage: 5 V / 12 V / 24 V
- Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA
- Programmable rotation angle (factory setting)

### RO28I

incremental output

- Supply voltage: 5 V
- Output Signal: A + B + Index, TTL / OC
- 256 pulses



### RH22D

Singleturn serial interface

- Supply voltage: 5 V
- Output: synchronous serial  $\mu$ C interface

- Housing  $\varnothing$  22 mm
- Hollow shaft 3–13 mm  $\varnothing$
- Protection class IP67
- Accurate adjustment by rotary clamp ring
- Alternative mounting at front or rear side
- 12 Bit resolution

### RH22A

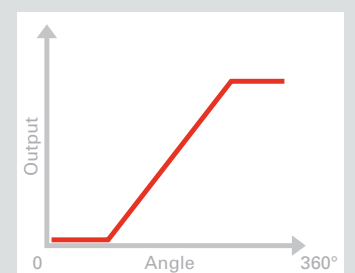
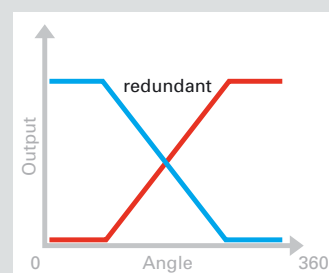
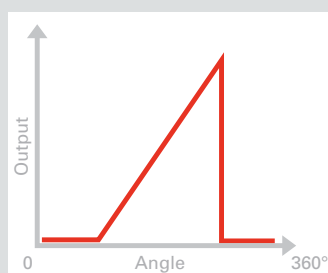
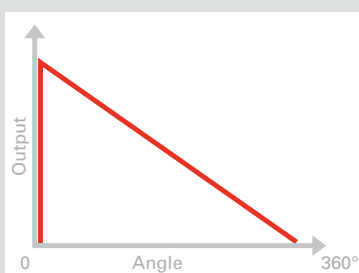
Singleturn analog output

- Supply voltage: 5 V / 12 V / 24 V
- Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V
- Programmable rotation angle (factory setting)

### RH22I

incremental output

- Supply voltage: 5 V
- Output Signal: A + B + Index, TTL / OC
- 256 pulses



Type	Electronic Version	Characteristics
	<b>R25D</b> Singleturn serial interface - Supply voltage: 5 V, 24 V (SSI) - Output: synchronous serial $\mu$ C interface or SSI Interface	- Low-priced plastic housing $\varnothing$ 25 mm - High performance polymer sleeve bearing - 10 / 12 Bit resolution
	<b>R25A</b> Singleturn analog output - Supply voltage: 5 V / 12 V / 24 V - Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle (factory setting)	
	<b>R25I</b> incremental output - Supply voltage: 5V / 24V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	
	<b>R28D</b> Singleturn serial interface - Supply voltage: 5 V, 24 V (SSI) - Output: synchronous serial $\mu$ C interface or SSI Interface	- Rotary encoder standard-housing $\varnothing$ 28 mm - Robust precision ball bearings - Protection class IP65 - 12 Bit resolution
	<b>R28A</b> Singleturn analog output - Supply voltage: 5 V / 12 V / 24 V - Analog output: 0–5V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle (factory setting)	
	<b>R28I</b> incremental output - Supply voltage: 5 V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	
	<b>R36D</b> Singleturn serial interface - Supply voltage: 5 V - Microcontroller - Output: synchronous serial $\mu$ C interface	- Housing $\varnothing$ 36 mm (Synchro size 13) - Robust precision ball bearings - Protection class IP65 - 12 Bit resolution - User programmable rotation angle and rotation direction
	<b>R36A</b> Singleturn analog output - Supply voltage: 5 V / 12 V / 24 V - Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle (factory setting)	
	<b>R36APS</b> Singleturn analog output Programmable angle and rotation direction - Supply voltage: 12 V / 24 V - Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle	
	<b>R36APM</b> Multiturn analog output Programmable angle and rotation direction - Supply voltage: 12 V / 24 V - Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle	
	<b>R36I</b> incremental output - Supply voltage: 5 V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	
	<b>R40D</b> incremental interface - Supply voltage: 5 V - Output: synchronous serial $\mu$ C interface	- Housing $\varnothing$ 40 mm - Robust precision ball bearings - Protection class IP67 - 12 Bit resolution - Optional axial M12 connector - User programmable rotation angle and rotation direction
	<b>R40A</b> Singleturn analog output - Supply voltage: 5 V / 12 V / 24 V - Analog output: 0–5 V ratiometric, 0–5 V, 0–10 V, 4–20 mA - Programmable rotation angle (factory setting)	
	<b>R40APS</b> Singleturn analog output Programmable angle and rotation direction - Supply voltage: 12 V / 24 V - Analog output: 0–5 V / 0–10 V, 4–20 mA - Programmable rotation angle	
	<b>R40APM</b> Multiturn analog output Programmable angle and rotation direction - Supply voltage: 12 V / 24 V - Analog output: 0–5 V / 0–10 V, 4–20 mA - Programmable rotation angle	
	<b>R40I</b> incremental output - Supply voltage: 5 V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	



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