

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 μ 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 μ 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 μ 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 μ 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

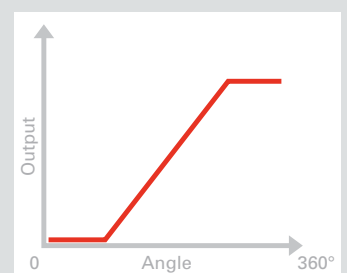
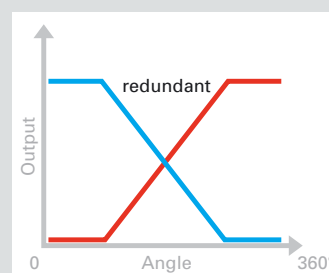
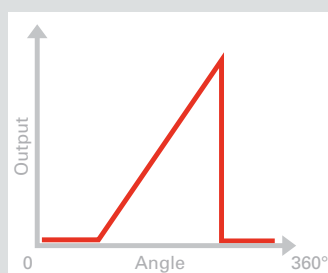
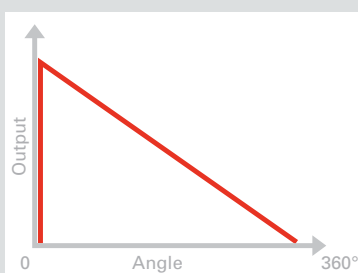
Singleturn analog output

- 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
	R25D Singleturn serial interface - Supply voltage: 5 V, 24 V (SSI) - Output: synchronous serial μ C interface or SSI Interface	- Low-priced plastic housing \varnothing 25 mm - High performance polymer sleeve bearing - 10 / 12 Bit resolution
	R25A 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)	
	R25I incremental output - Supply voltage: 5V / 24V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	
	R28D Singleturn serial interface - Supply voltage: 5 V, 24 V (SSI) - Output: synchronous serial μ C interface or SSI Interface	- Rotary encoder standard-housing \varnothing 28 mm - Robust precision ball bearings - Protection class IP65 - 12 Bit resolution
	R28A 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)	
	R28I incremental output - Supply voltage: 5 V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	
	R36D Singleturn serial interface - Supply voltage: 5 V - Microcontroller - Output: synchronous serial μ 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
	R36A 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)	
	R36APS 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	
	R36APM 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	
	R40D incremental interface - Supply voltage: 5 V - Output: synchronous serial μ 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
	R40A 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)	
	R40APS 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	
	R40APM 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	
	R40I incremental output - Supply voltage: 5 V - Output Signal: A + B + Index, TTL / OC / PP - 256 pulses	