

ABSOLUTE ROTARY ENCODER

"Magnetic Measurement"

ARS S 50 SSI OUTPUT



GENERAL SPECIFICATIONS

- Absolute measurement by magnetic principle
- 50 mm body diamater
- 6 mm, 8 mm or 10 mm shaft options
- 12 bit angular resolution
- 3000 RPM operating speed
- SSI interface
- High sensitivity
- IP54 protection class



تلف**ن :** 021 66 39 39 00 0912 147 3023

ali5.ir



ARS S 50 series rotary encoders measure by magnetic principle and work absolutely. They have SSI interface. They offer high sensitivity due their high 12 bit resolution at 4096 different positions for 360°. Optionally, different shaft types, cable length or socket model can be requested.

APPLICATION FIELDS

- Wind Applications / Power Plants
- Marine or Utility Vehicle Applications
- Press or Wood and Stone Processing Machinery
- Construction Machinery
- Cranes







- Offshore Applications
- Commercial Solar Plants
- Filling Plants
- Food & Beverage Applications
- Oil & Gas Pipe Handling and Cranes



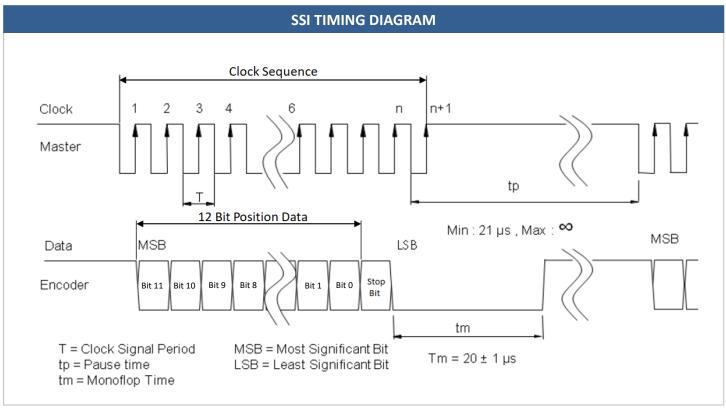


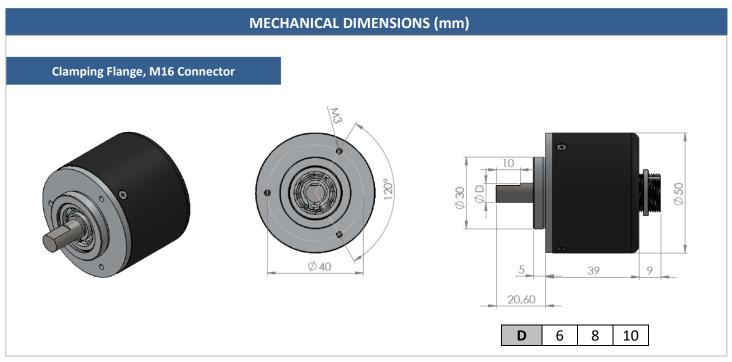


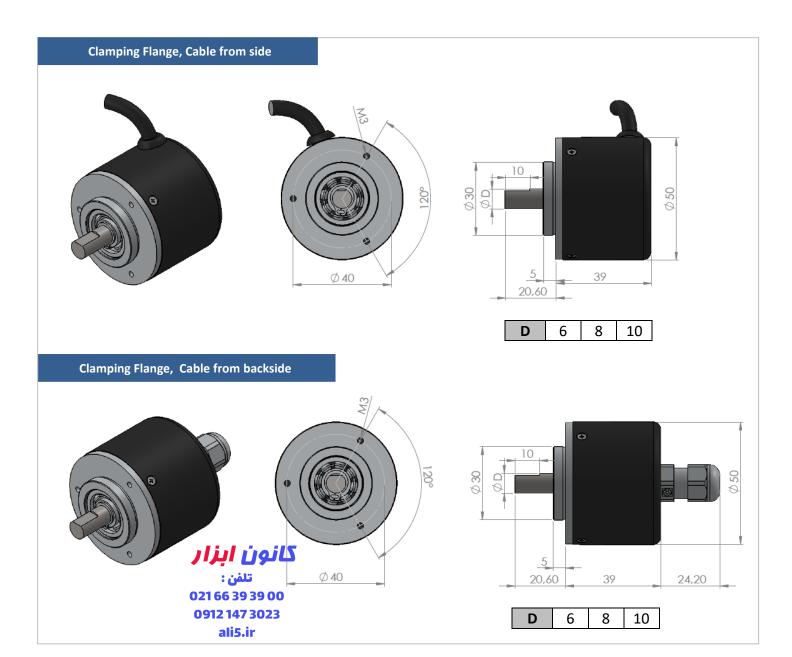
TECHNICAL SPECIFICATIONS			
Measuring Range	0° 360°	Overvoltage Protection	26 V
Max. Operating Speed	3000 RPM	No-load current consumption	<60mA (24V DC)
Measuring Type	Magnetic		<250 ms (after power on)
Output Signal (protocol)	SSI 13 bit (12 bit data + 1 stop bit)	Ohmic load at outputs	
Encoding	Gray	Physical interface	RS-422
Data update rate	500 Hz (2 ms)	Max clock rate	2 MHz
Frame Format	MSB First - [12 Bit Position] + [1 Stop Bit] - LSB	Monoflop time (tm)	20 μs
Max. Cable Length	13m @2 MHz, 44m @1 MHz, 85m @600 kHz, 300m @200 kHz, 750m @80 kHz It is recommended to use twisted pair cables which comply with the RS422 Standard.	Operating Temperature	-40+85 °C
		Storage Temperature	-40+85 °C
		IP Protection Class	IP54
		Weight	~180 gr
Resolution	12 bit	Material	Body: Aluminum
Accuracy	≤ ± %0.25		·
Supply Voltage	5 - 24 VDC		Shaft: Stainless Steel

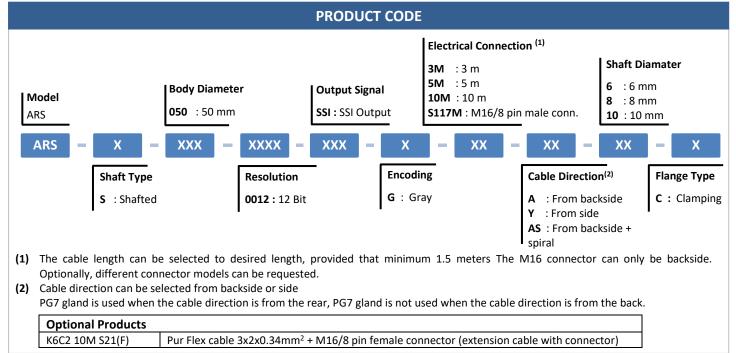
DS-ARS.001 Rev No:1

ELECTRICAL CONNECTION M16-8 PIN MALE CONNECTOR M16-8 PIN FEMALE CONNECTOR SIGNAL CABLE COLOR PIN NO PIN NO +V Red 1 1 GND Black 2 2 Yellow 3 3 Data + Data -Green 4 4 Clock + White 5 5 Clock -Brown 6 6









Atek Elektronik Sensör Teknolojileri Sanayi ve Ticaret A.Ş.



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