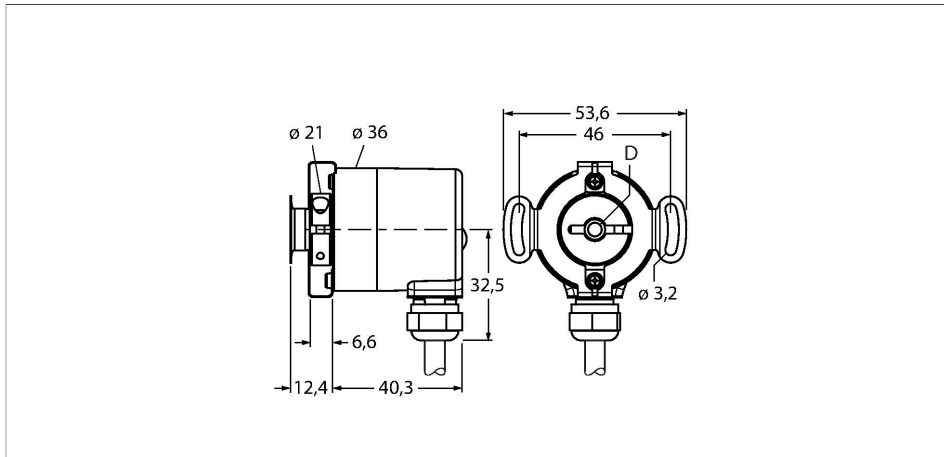


RS-07H6E-7A12B-C 1M

Absolute Rotary Encoder - Single-Turn Industrial Line



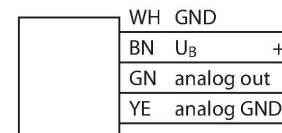
Features

- Flange with stator coupling, $\varnothing 36$ mm
- Hollow shaft, $\varnothing 6$ mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP69K on shaft side
- $-40 \dots +85$ °C
- Max. 6000 rpm
- 10...30 VDC
- Analog output 4...20 mA
- Cable connection
- 360° resolved in 12 bit (4096 positions)

Technical data

Type	RS-07H6E-7A12B-C 1M
ID	1544045
Measuring principle	Magnetic
General data	
Max. Rotational Speed	6000 rpm
Starting torque	< 0.06 Nm
Measuring range	0...360 °
Repetition accuracy	± 0.2 ° At 25 °C
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute singleturn
Resolution singleturn	12 Bit
Electrical data	
Operating voltage	10...30 VDC
No-load current	38 mA
Short-circuit protection	yes
Output function	4-wire, Analog output
Current output	4...20 mA
Mechanical data	
Design	Hollow shaft
Flange type	Flange with stator coupling
Flange diameter	$\varnothing 36$ mm
Shaft Type	Hollow shaft
Shaft diameter D [mm]	6

Wiring diagram



Technical data

Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Cable
	radial
cable length	1 m
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40...+85 °C
Vibration resistance (EN 60068-2-6)	10...2000 Hz, 300 m/s ² - rms
Shock resistance (EN 60068-2-27)	5000 m/s ² , 6 ms
Protection class housing	IP69K
Protection class shaft	IP69K