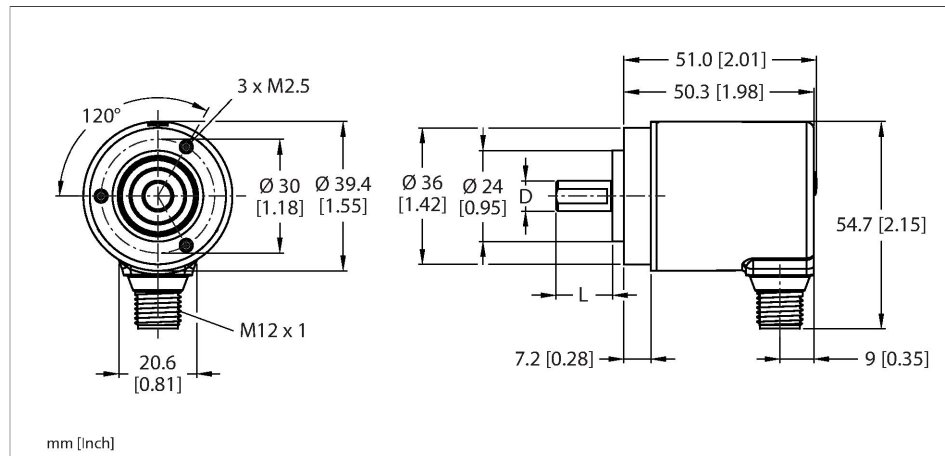


RES-192S10C-IOL14B-H1141

Absolute Rotary Encoder - Single-Turn – IO-Link

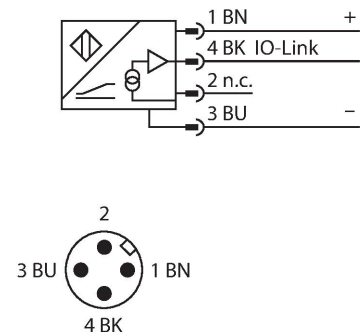
Industrial Line



Features

- Clamping flange, Ø 36 mm
- Solid shaft, Ø 10 mm × 20 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- IP67 rated on the shaft side
- -40...+85 °C
- Max. 4000 rev/min
- 10-30 VDC
- SSI (Binary Code)
- M12 connection, 8-pin
- 360° resolved in 14 bit (16384 positions)

Wiring diagram



Technical data

Type	RES-192S10C-IOL14B-H1141
Ident. no.	100020143
Measuring principle	Magnetic
Max. Rotational Speed	4000 rpm
Starting torque	< 0.01 Nm
Measuring range	0...360 °
Repeatability (at 25 °C)	± 0.2 °
Absolute accuracy (at 25 °C)	± 1 °
Ambient temperature	-40...+85 °C
Operating voltage	18...30 VDC
No-load current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Absolute singleturn
Resolution singleturn	14 Bit
Communication protocol	IO-Link
IO-Link specification	Specified acc. to version 1.1
Programming	FDT/DTM
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10

Technical data

Wavelength L [mm]	20
Shaft material	stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
Axial shaft load	20 N
Radial shaft load	40 N
Vibration resistance (EN 60068-2-6)	300 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s ² , 6 ms
Protection class	IP67
Protection class shaft	IP67

Pin configuration