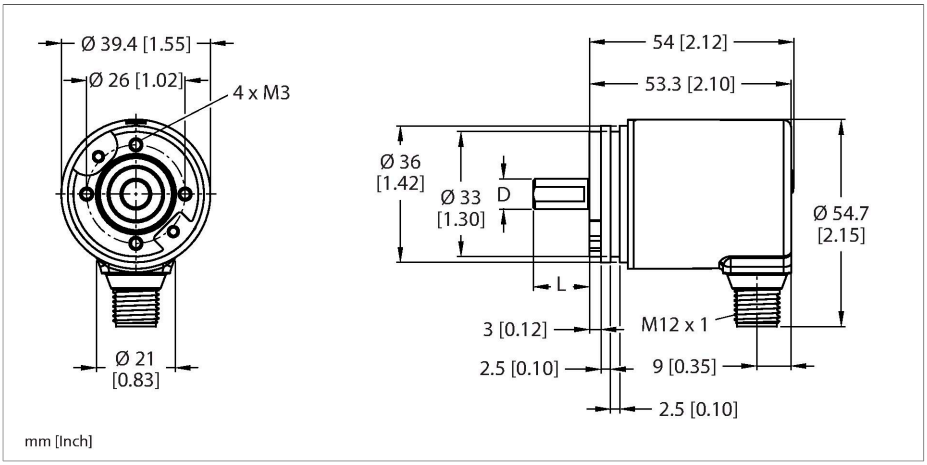
RES-192S6S-IOL14B-H1141
Absolute Rotary Encoder - Singleturn – IO-Link Industrial Line



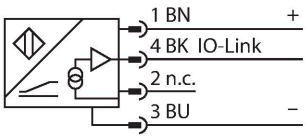
Features

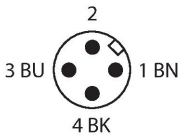
- Synchro flange, Ø 36 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP67 on housing and shaft side
- -40…+85 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- 18…30 VDC
- M12 × 1 male connector, 8-pin
- 360° resolved in 14 bit (16384 positions)

Technical data

Type	RES-192S6S-IOL14B-H1141
ID	100020145
Measuring principle	Magnetic
General data	
Max. rotational speed	4000 rpm
Starting torque	< 0.01 Nm
Measuring range	0…360 °
Repetition accuracy	± 0.2 ° At 25 °C
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute singleturn
Resolution singleturn	14 Bit
Electrical data	
Operating voltage U_B	18…30 VDC
No-load current	≤ 30 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Communication protocol	IO-Link
IO-Link specification	V 1.1
Programming	FDT/DTM
Mechanical data	
Flange type	Synchro flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	6
Shaft Length L [mm]	12.5
	Shaft with surface

Wiring diagram





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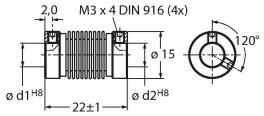
Technical data

Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40…+85 °C
Vibration resistance (EN 60068-2-6)	300 m/s², 10…2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s², 6 ms
Protection class	IP67
Protection class shaft	IP67

Accessories

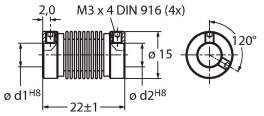
RCS-15-06-06 1545362

Bellows coupling, outer diameter: 15 mm, bore diameter: 6 mm



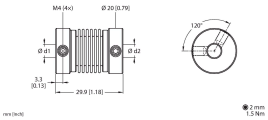
RCS-15-08-06 1545361

Bellows coupling, outer diameter: 15 mm, bore diameter: 8 mm/6 mm



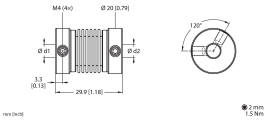
RA-BC-20-06-06 100048777

Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 6 mm



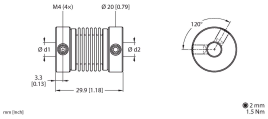
RA-BC-20-06-08 100048778

Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 8 mm



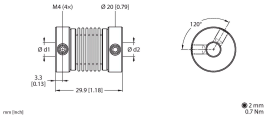
RA-BC-20-06-10 100048779

Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 10 mm



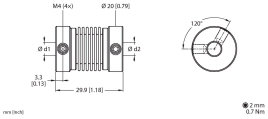
RA-BC-E-20-06-06 100048785

Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 6 mm



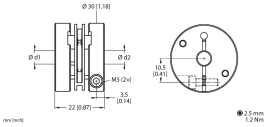
RA-BC-E-20-06-10 100048786

Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 10 mm



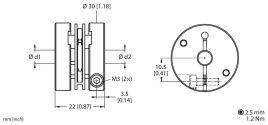
RA-SDC-30-06-10 100048791

Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 10 mm



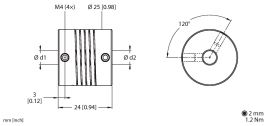
RA-SDC-30-06-06 100048790

Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 6 mm



RA-HC-25-06-06 100048794

Aluminum helix coupling Ø 25 mm; d1 = 6 mm, d2 = 6 mm



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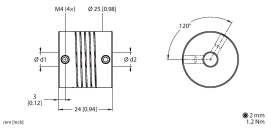
RA-HC-25-06-10	100048795



Aluminum helix coupling Ø 25 mm; d1 = 6 mm, d2 = 10 mm

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