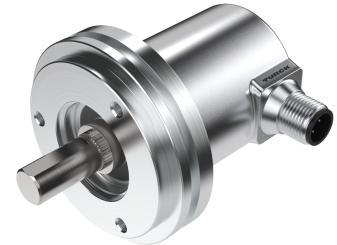
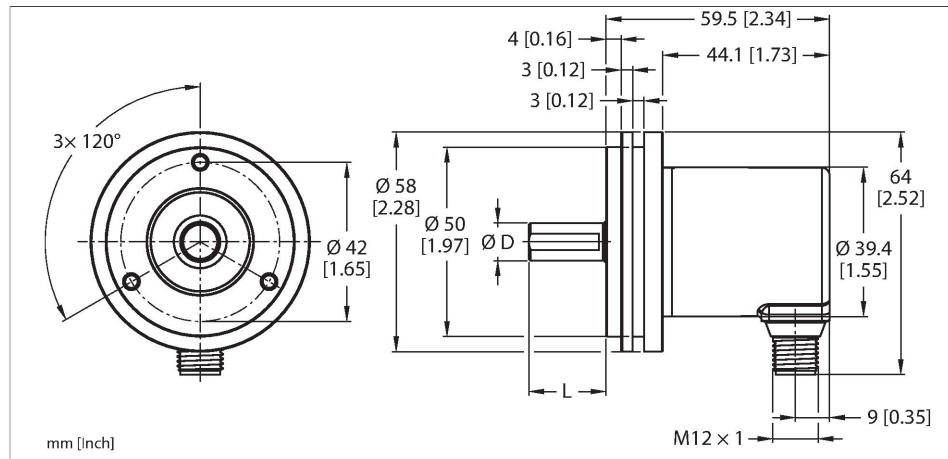


REM-E-195T6S-IOL32B-H1141

Absolute Rotary Encoder - Multiturn – IO-Link

Efficiency Line



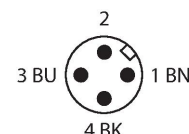
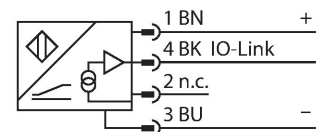
Technical data

Type	REM-E-195T6S-IOL32B-H1141
ID	100021183
Measuring principle	Magnetic
General data	
Max. rotational speed	4000 rpm
Repetition accuracy	$\pm 0.2^\circ$
Absolute accuracy	$\pm 0.5^\circ$
Output type	Absolute multiturn
Electrical data	
Operating voltage U_B	18...30 VDC
No-load current	≤ 40 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Communication protocol	IO-Link
IO-Link	
IO-Link specification	V 1.1
Programming	FDT/DTM
Mechanical data	
Flange type	Synchro flange
Flange diameter	$\varnothing 58$ mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	6
Shaft Length L [mm]	12.5

Features

- $\varnothing 58$ mm servo flange
- Solid shaft, $\varnothing 6$ mm x 12.5 mm
- Optical measuring principle
- Shaft material, stainless steel
- Protection class IP64 on housing and shaft side
- $-20...+70^\circ\text{C}$
- Max. 4000 rpm (continuous operation 2000 rpm)
- Energy harvesting technology
- 18...30 VDC
- M12 x 1 male connection, 4-pin
- Singleturn resolution 14 bit scalable, default 14 bit
- Multiturn resolution scalable only to 18 bits over total resolution, default 18 bits
- Total resolution 32 bit scalable, default 32 bit

Wiring diagram

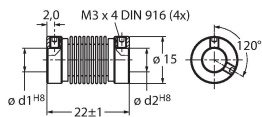


Technical data

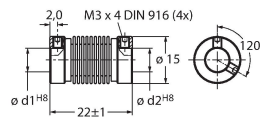
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	5-pin
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-20...+70 °C
Vibration resistance (EN 60068-2-6)	30 g (300 m/s ²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s ²), 4 ms
Protection class	IP64
Protection class shaft	IP64
MTTF	25 years

Accessories

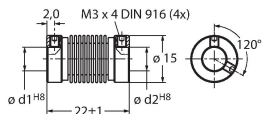
RCS-15-08-06 1545361
Bellows coupling, outer diameter:
15 mm, bore diameter: 8 mm/6 mm



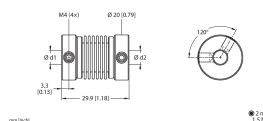
RCS-15-06-06 1545362
Bellows coupling, outer diameter:
15 mm, bore diameter: 6 mm/6 mm



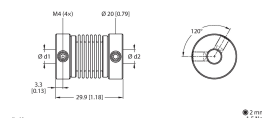
RCS-15-06-04 1545363
Bellows coupling, outer diameter:
15 mm, bore diameter: 6 mm/4 mm



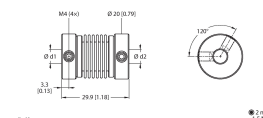
RA-BC-20-06-06 100048777
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 6 mm



RA-BC-20-06-08 100048778
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 8 mm



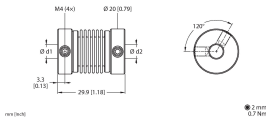
RA-BC-20-06-10 100048779
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 10 mm



RA-BC-E-20-06-06

100048785

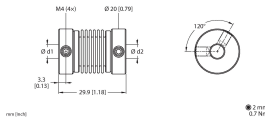
Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 6 mm



RA-BC-E-20-06-10

100048786

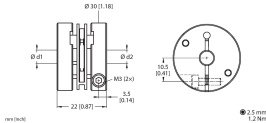
Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 10 mm



RA-SDC-30-06-10

100048791

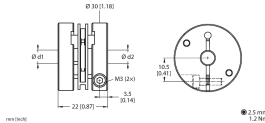
Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 10 mm



RA-SDC-30-06-06

100048790

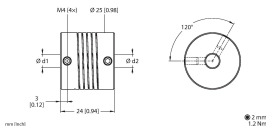
Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 6 mm



RA-HC-25-06-06

100048794

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



RA-HC-25-06-10

100048795

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

