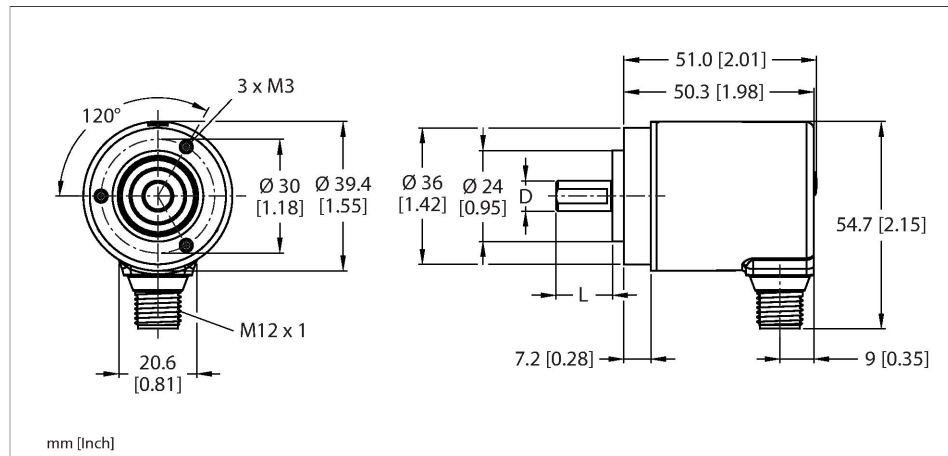


REM-190S6C-IOL32B-H1141

Absolute Rotary Encoder - Multiturn – IO-Link Industrial Line



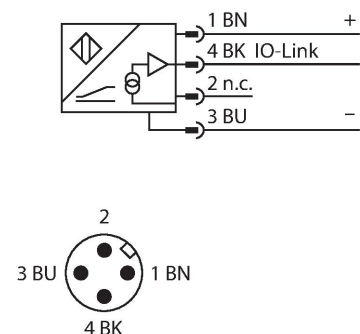
Technical data

Type	REM-190S6C-IOL32B-H1141
ID	100018235
Measuring principle	Magnetic
General data	
Max. rotational speed	4000 rpm
Starting torque	< 0.01 Nm
Repetition accuracy	± 0.2 °
Absolute accuracy	± 0.5 °
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	Clamping flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	6

Features

- Clamping flange, Ø 36 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- IP67 rated on the shaft side
- -40...+85 °C
- Max. 4000 rev/min
- 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

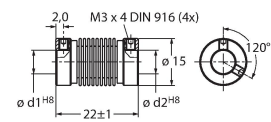


Technical data

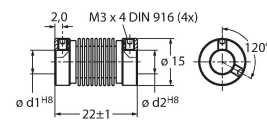
Shaft Length L [mm]	12.5
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40...+85 °C
Vibration resistance (EN 60068-2-6)	300 m/s ² , 10...2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s ² , 6 ms
Protection class	IP67
Protection class shaft	IP67
MTTF	25 years

Accessories

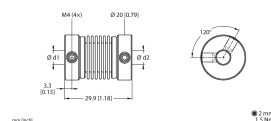
RCS-15-08-06	1545361
Bellows coupling, outer diameter: 15 mm, bore diameter: 8 mm/6 mm	



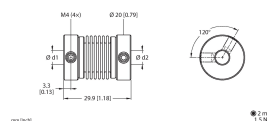
RCS-15-06-06	1545362
Bellows coupling, outer diameter: 15 mm, bore diameter: 6 mm/6 mm	



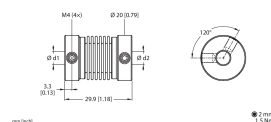
RA-BC-20-06-06	100048777
Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 6 mm	



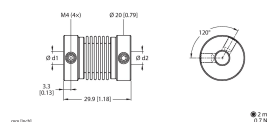
RA-BC-20-06-08	100048778
Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 8 mm	



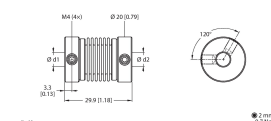
RA-BC-20-06-10	100048779
Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 10 mm	



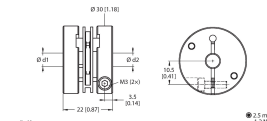
RA-BC-E-20-06-06	100048785
Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 6 mm	



RA-BC-E-20-06-10	100048786
Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 10 mm	



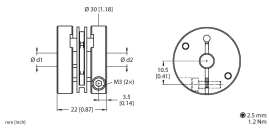
RA-SDC-30-06-10	100048791
Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 10 mm	



RA-SDC-30-06-06

100048790

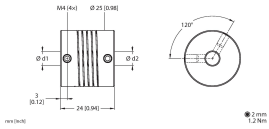
Spring disc coupling Ø 30 mm; d1 = 6 mm, d2 = 6 mm



RA-HC-25-06-10

100048795

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



RA-HC-25-06-06

100048794

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

