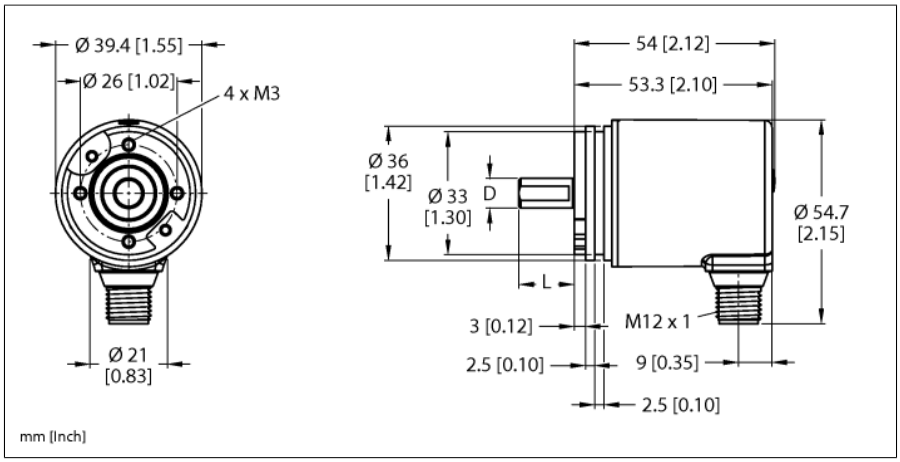
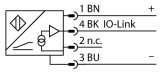
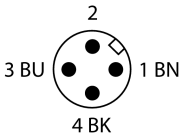
Absolute Rotary Encoder - Multiturn
IO-Link
Industrial Line
REM-190S8S-IOL32B-H1141



- Synchro flange, Ø 36 mm
- Solid shaft, Ø 8 mm × 15 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





Type	REM-190S8S-IOL32B-H1141
ID	100018240
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
Short-circuit 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	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	8 mm
Shaft Length L [mm]	15 mm
	Shaft with surface
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
Axial shaft load	20 N
Radial shaft load	40 N

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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
MTTF	25 years

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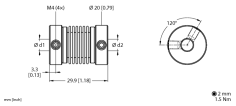
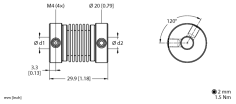
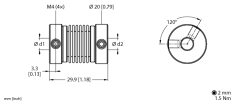
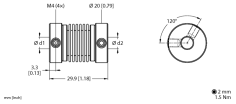
Accessories

Type code	Ident-No.		Dimension drawing
RA-BC-20-06-08	100048778	Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 8 mm	
RA-BC-20-08-08	100048780	Bellows coupling with aluminum hub Ø 20 mm; d1 = 8 mm, d2 = 8 mm	
RA-BC-20-08-10	100048781	Bellows coupling with aluminum hub Ø 20 mm; d1 = 8 mm, d2 = 10 mm	
RA-BC-20-08-12	100049106	Bellows coupling with aluminum hub Ø 20 mm; d1 = 8 mm, d2 = 12 mm	

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