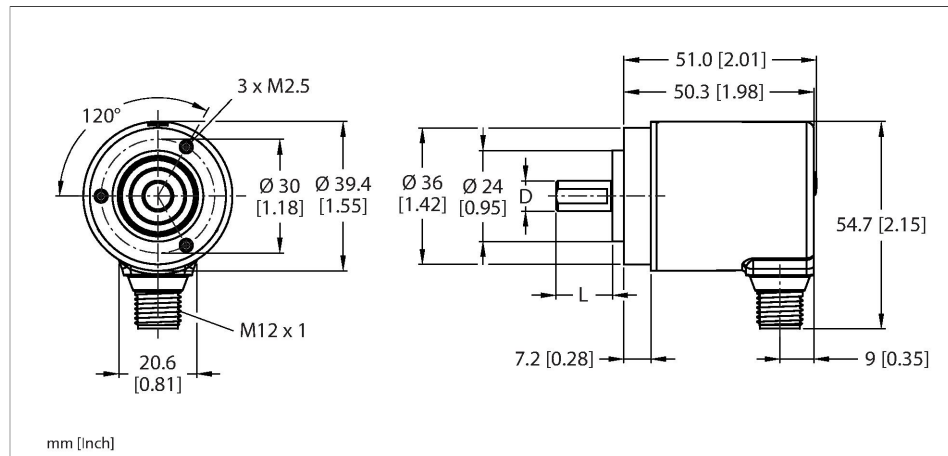


REM-190S8C-IOL32B-H1141

Absolute Rotary Encoder - Multiturn – IO-Link

Industrial Line



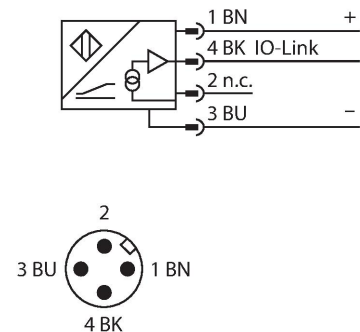
Features

- Clamping 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
- 10-30 VDC
- SSI (Binary Code)
- M12 connection, 8-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

Technical data

Type	REM-190S8C-IOL32B-H1141
Ident. no.	100018236
Measuring principle	Magnetic
Max. Rotational Speed	4000 rpm
Starting torque	< 0.01 Nm
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 multiturn
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]	8
Wavelength L [mm]	15
Shaft material	stainless steel

Wiring diagram



Technical data

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

Accessories

RCS-19-08-08 	1545359 Bellows coupling, outer diameter: 19 mm, bore diameter: 8 mm/8 mm	RCS-19-10-06 	1545358 Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/6 mm
RCS-19-10-08 	1545357 Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/8 mm	RCS-19-10-10 	1545356 Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/10 mm
RCS-19-12-10 	1545355 Bellows coupling, outer diameter: 19 mm, bore diameter: 12 mm/10 mm		