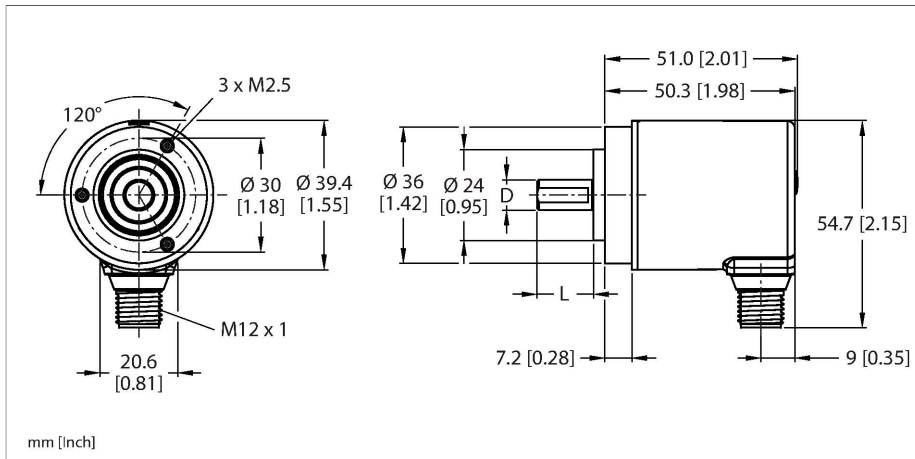


REM-101S8C-9F32B-H1151

Absolute Rotary Encoder - Multiturn Industrial Line



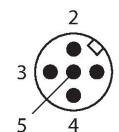
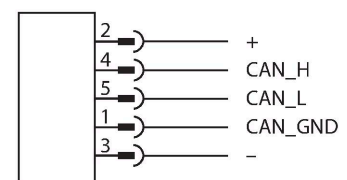
Technical data

Type	REM-101S8C-9F32B-H1151
ID	100023541
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
Starting torque	< 0.01 Nm
Repetition accuracy	± 0.2 ° At 25 °C
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage	10...30 VDC
No-load current	80 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Communication protocol	SAE J1939
Interface	SAE J1939
Mechanical data	
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	8
Shaft Length L [mm]	15
Shaft material	Stainless steel
Housing material	Die-cast zinc

Features

- Clamping flange, Ø 36 mm
- Solid shaft, Ø 8 mm × 15 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP67 on housing and shaft side
- -40...+80 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- 10...30 VDC
- SAE J1939
- M12 × 1 male connector, 5-pin
- Singleturn resolution 14 bit scalable, default 14 bit
- Multiturn resolution scalable up to 29 bit over total resolution, default 18 bit
- Total resolution 32 bit scalable, default: 32 bit

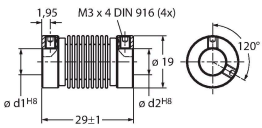
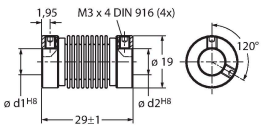
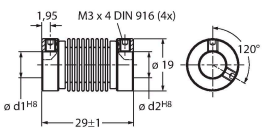
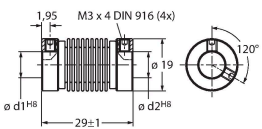
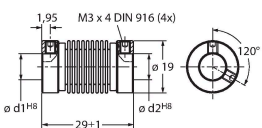
Wiring diagram



Technical data

Electrical connection	Connector, M12 × 1
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40...+80 °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

Accessories

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

Accessories

Dimension drawing	Type	ID	
	RKC5701-5M	6931034	

Bus cable for CAN (DeviceNet, - CANopen), M12 female connector, straight, cable length: 5 m, jacket material: PUR, anthracite; cULus approval

