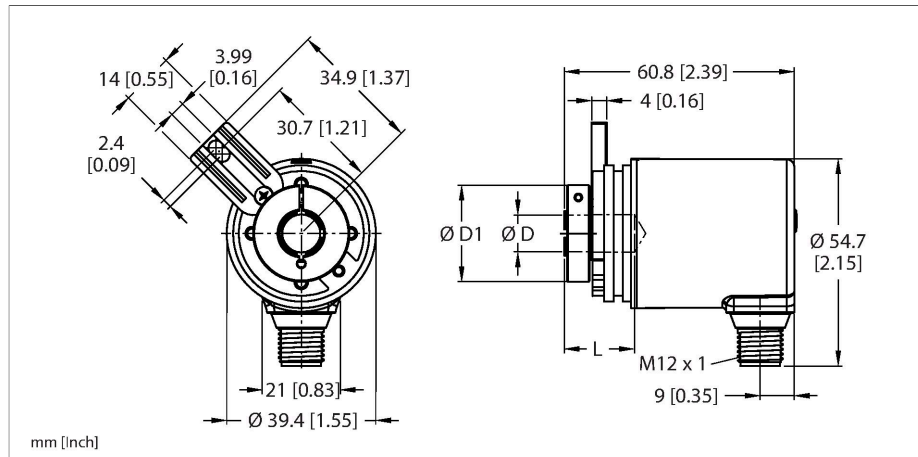


REM-102BA0T-9F32B-H1151

Absolute Rotary Encoder - Multiturn Industrial Line



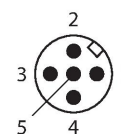
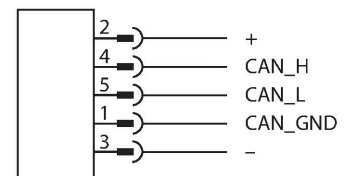
Features

- Flange with mounting element
- Blind hole hollow shaft, Ø 6.35 mm (plug-in depth max. 18.5 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

Technical data

Type	REM-102BA0T-9F32B-H1151
ID	100023554
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	Hollow shaft
Flange type	Flange with mounting element
Flange diameter	Ø 36 mm
Shaft Type	Blind hole shaft
Shaft diameter D [mm]	6.35
Shaft Length L [mm]	18.5
Outer diameter of compression fitting D1	24 mm
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
Environmental conditions	
Ambient temperature	-40...+80 °C
Vibration resistance (EN 60068-2-6)	300 m/s², 10...2000 Hz
Shock resistance (EN 60068-2-27)	300 m/s², 10...2000 Hz
Protection class	IP67
Protection class shaft	IP67

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