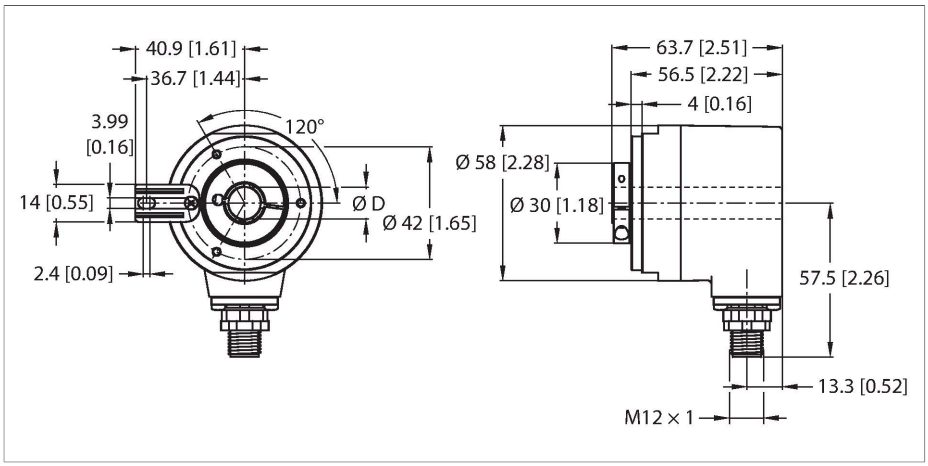
REM-106B10T-9D32B-B1M12/N46
Absolute Rotary Encoder - Multiturn
Industrial Line



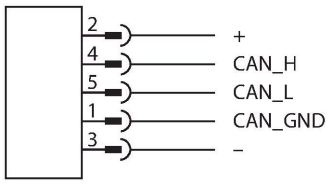
Technical data

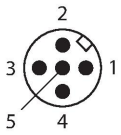
Type	REM-106B10T-9D32B-B1M12/N46
ID	100011427
Measuring principle	Optical
General data	
Max. Rotational Speed	4000 rpm
Moment of inertia of the rotor	6 × 10^{-6} kgm²
Absolute accuracy	± 0.015 ° At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage U_B	10…30 VDC
No-load current	≤ 80 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Communication protocol	CANopen
Interface	CAN High-Speed in accordance with ISO 11898, basic and full CAN, CAN specification 2.0 B
Node ID	1…127 mit Software konfigurierbar;Werkseinstellung: 63
Baud rate	10 kbps to 1000 kbps software configurable
Mechanical data	
Flange type	Flange with mounting element
Flange diameter	Ø 58 mm
Shaft Type	Blind hole shaft
Shaft diameter D (mm)	10
Shaft material	Stainless steel

Features

- Flange with mounting element
- Hollow shaft, Ø 10 mm
- Optical measuring principle
- Shaft, stainless steel
- Protection class IP67 on housing and shaft side
- -40…+80 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- 10…30 VDC
- CANopen
- M12 × 1 male, 5-pin
- Singleturn resolution 14 bit scalable, default 14 bit
- Multiturn resolution scalable up to 16 bit over total resolution
- Total resolution 32 bit scalable, default: 32 bit

Wiring diagram



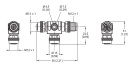


REM-106B10T-9D32B-B1M12/N46| 13-11-2024 14-40 | Technical modifications reserved

Technical data

Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	5-pin
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-40…+80 °C
Vibration resistance (EN 60068-2-6)	10 g (100 m/s²), 55…2000 Hz
Shock resistance (EN 60068-2-27)	250 g (2500 m/s²), 6 ms
Protection class	IP67
Protection class shaft	IP67

Accessories

Dimension drawing	Type	ID	
	FSM-2FKM57	6622101	CANopen/DeviceNet/power supply T-splitter, 1 × M12 male connector, 2 × M12 female connector, 5-pin
	RKC5701-5M	6931034	Bus cable for CAN (DeviceNet, -CANopen), M12 female connector, straight, cable length: 5 m, jacket material: PUR, anthracite; cULus approval

REM-106B10T-9D32B-B1M12/N46| 13-11-2024 14-40 | Technical modifications reserved