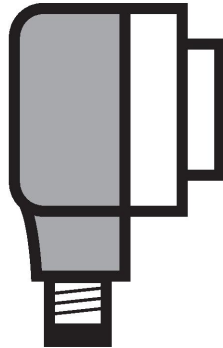


RM-106B12E-9D32B-B1M12/N46

Absolute Hollow Shaft Encoder

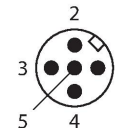
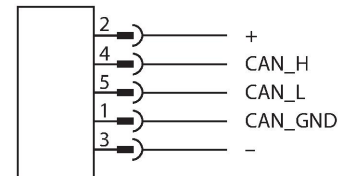
Industrial Line



Features

- Absolute Hollow Shaft Encoder
- Protection class IP65 on the shaft side
- -40...+80°C
- max. 6000 rev / min
- CANopen
- M12 x 1 connector
- Singleturn resolution scalable to 16 bit (default 16 bit)
- Multiturn resolution scalable to 16 bit (default 16 bit)

Wiring diagram



Technical data

Type	RM-106B12E-9D32B-B1M12/N46
ID	200004508
Measuring principle	Optical
General data	
Max. Rotational Speed	8000 rpm
Moment of inertia of the rotor	$6 \times 10^{-6} \text{ kgm}^2$
Absolute accuracy	$\pm 0.015^\circ$ At 25 °C
Output type	Absolute multiturn
Resolution singleturn	16 Bit
Resolution multiturn	16 Bit
	Singleturn scalable
Electrical data	
Operating voltage	10...30 VDC
No-load current	80 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Communication protocol	CANopen
Interface	CAN high-speed acc. to ISO 11898, Basic and Full-CAN, CAN specification 2.0 B
Node ID	1...127 mit Software konfigurierbar; Werkseinstellung: 63

Technical data

Baud rate	10-1000 kbps software configurable
Mechanical data	
Design	Hollow shaft
Flange diameter	Ø 65 mm
Shaft Type	Blind hole shaft
Shaft diameter D [mm]	12
Shaft material	Stainless Steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	1 x M12
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/s ²), 55...2000 Hz
Shock resistance (EN 60068-2-27)	250 g (2500 m/s ²), 6 ms
Protection class	IP67
Protection class shaft	IP65