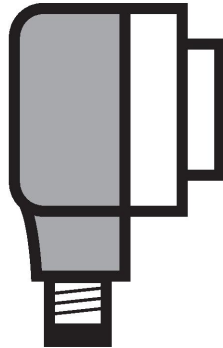


RM-102CA0E-9D38B-H1151

Absolute Hollow Shaft Encoder

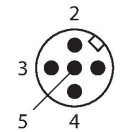
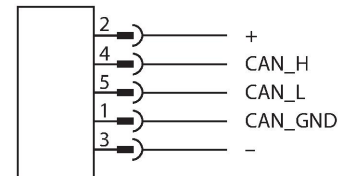
Industrial Line



Features

- Absolute Hollow Shaft Encoder
- Protection class IP65 on housing and shaft side
- -40 °C...+85 °C
- Max. 6000 rpm (continuous operation: 3000)
- Energy harvesting technology
- 10-30 VDC
- CANopen DS 406 V4.0
- M12 connection, 5-pin

Wiring diagram



Technical data

Type	RM-102CA0E-9D38B-H1151
ID	1546731
Measuring principle	Magnetic
General data	
Max. Rotational Speed	6000 rpm
Moment of inertia of the rotor	$6 \times 10^{-6} \text{ kgm}^2$
Starting torque	< 0.01 Nm
Repetition accuracy	$\pm 0.2^\circ$ At 25 °C
Absolute accuracy	$\pm 1^\circ$ At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage	10...30 VDC
No-load current	30 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
Baud rate	10-1000 kbps software configurable

Technical data

Mechanical data	
Design	Hollow shaft
Flange type	Flange with stator coupling
Flange diameter	Ø 46 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
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	M12, 5-pole
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-40...+85 °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	IP65