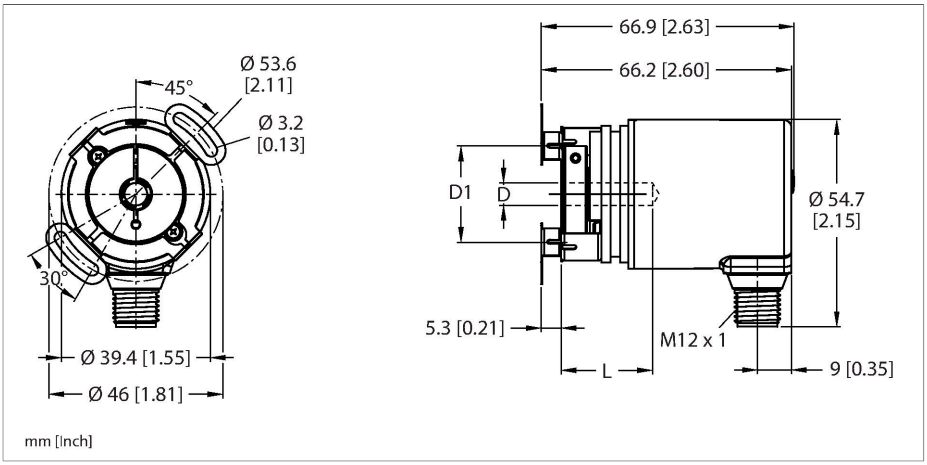
REM-98BA0E-7AAR-H1151
Absolute Rotary Encoder - Multiturn
Industrial Line



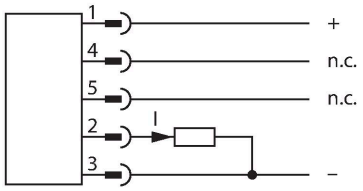
Technical data

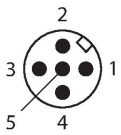
Type	REM-98BA0E-7AAR-H1151
ID	100011330
Measuring principle	Magnetic
General data	
Max. rotational speed	4000 rpm
Starting torque	< 0.01 Nm
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage U_B	10…30 VDC
No-load current	≤ 38 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Output function	Analog output
Current output	4…20 mA
Mechanical data	
Flange type	Flange with stator coupling
Flange diameter	Ø 46 mm
Shaft Type	Blind hole shaft
Shaft diameter D (mm)	6.35
Shaft diameter D	0.25 in
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

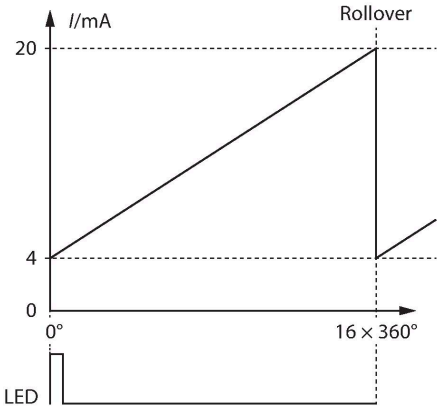
Features

- Flange with stator coupling, Ø 46 mm
- 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…+85 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- Energy harvesting technology
- 10…30 VDC
- Analog output, 4…20 mA per 16 CW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

Wiring diagram







Technical data

	M12, 5-pin
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/s², 10…2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s², 6 ms
Protection class	IP67
Protection class shaft	IP67