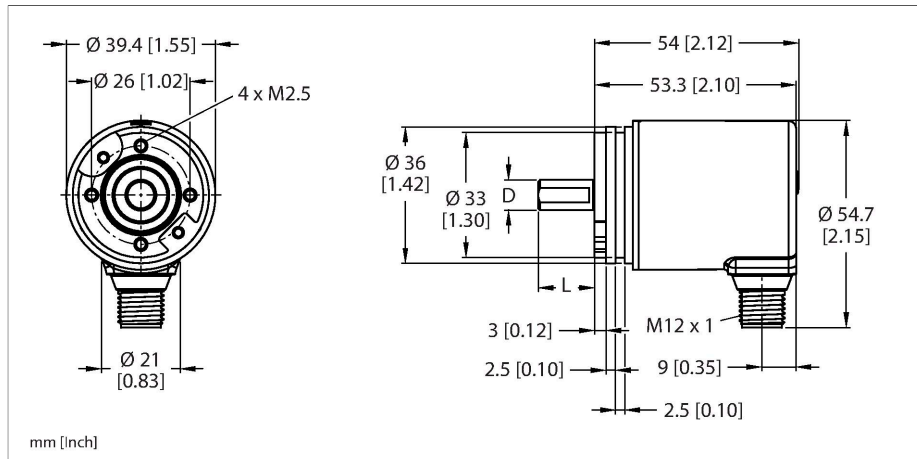


# REM-97S8S-8BAL-H1151

## Absolute Rotary Encoder - Multiturn Industrial Line



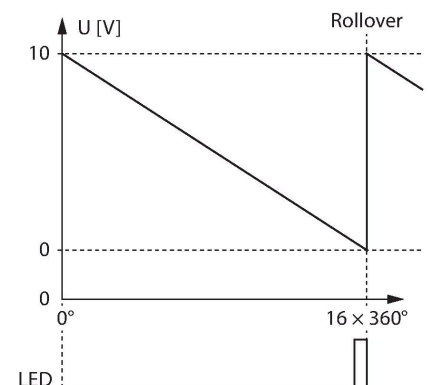
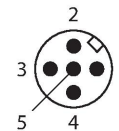
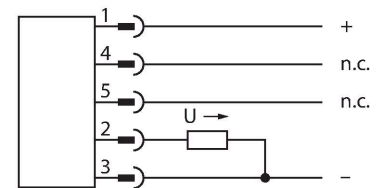
### Features

- Synchro flange, Ø 36 mm
- Solid shaft, Ø 8 mm × 15 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
- 15...30 VDC
- Analog output, 0...10 V per 16 CCW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

### Technical data

Type	REM-97S8S-8BAL-H1151
ID	100011324
Measuring principle	Magnetic
<b>General data</b>	
Max. Rotational Speed	4000 rpm
Starting torque	< 0.01 Nm
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
<b>Electrical data</b>	
Operating voltage	15...30 VDC
No-load current	35 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output function	Analog output
Voltage output	0...10 V
<b>Mechanical data</b>	
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	8
Shaft Length L [mm]	15
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1

### Wiring diagram



## Technical data

Axial shaft load	20 N
Radial shaft load	40 N
<b>Environmental conditions</b>	
Ambient temperature	-40...+85 °C
Vibration resistance (EN 60068-2-6)	300 m/s <sup>2</sup> , 10...2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s <sup>2</sup> , 6 ms
Protection class	IP67
Protection class shaft	IP67

## Accessories

Dimension drawing	Type	ID	
	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

