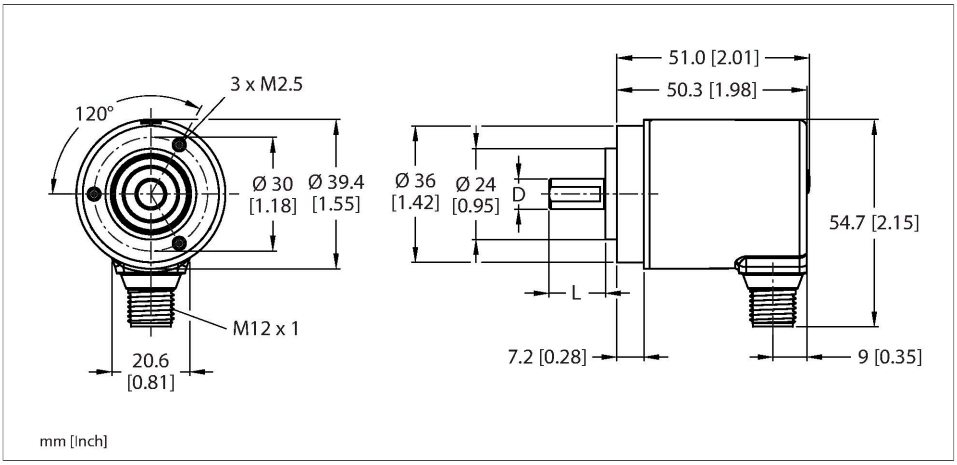
REM-97S6C-8BAR-H1151
Absolute Rotary Encoder - Multiturn
Industrial Line



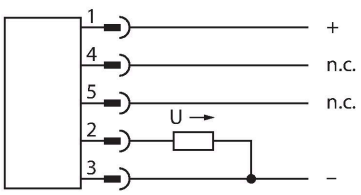
Features

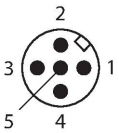
- Clamping flange, Ø 36 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- IP67 rated on the shaft side
- -40…+85 °C
- Max. 4000 rev/min
- 15…30 VDC
- Analog output, 0…10 V per 16 CW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

Technical data

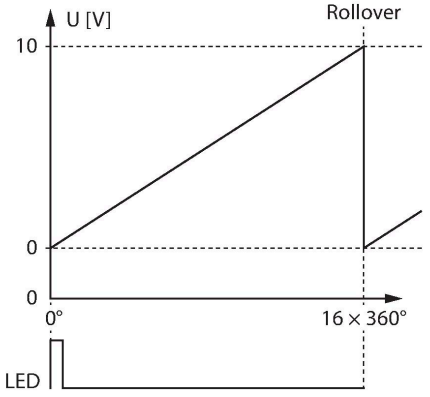
Type	REM-97S6C-8BAR-H1151
Ident. no.	100011311
Measuring principle	**Magnetic**
Max. Rotational Speed	4000 rpm
Starting torque	< 0.01 Nm
Absolute accuracy (at 25 °C)	± 1 °
Ambient temperature	-40…+85 °C
Operating voltage	15…30 VDC
No-load current	≤ 35 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Absolute multiturn
Output function	Analog output
Voltage output	0…10 V
Design	**Solid shaft**
Flange type	Clamping flange
Flange diameter	Ø 36 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	6
Wavelength L [mm]	12.5
Shaft material	stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1

Wiring diagram





Functional principle



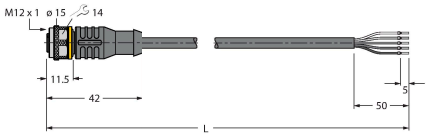
REM-97S6C-8BAR-H1151| 09/09/2020 17-54 | technical changes reserved

Technical data

Axial shaft load	20 N
Radial shaft load	40 N
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

Signal	Gnd	$+U_B$	Analog output	n.c.	n.c.
Pin assignment	3	1	2	4	5

Wiring accessories

Dimension drawing	Type	Ident. no.	
	RKC4.5T-2/TEL	6625016	Connection cable, female M12, straight, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

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