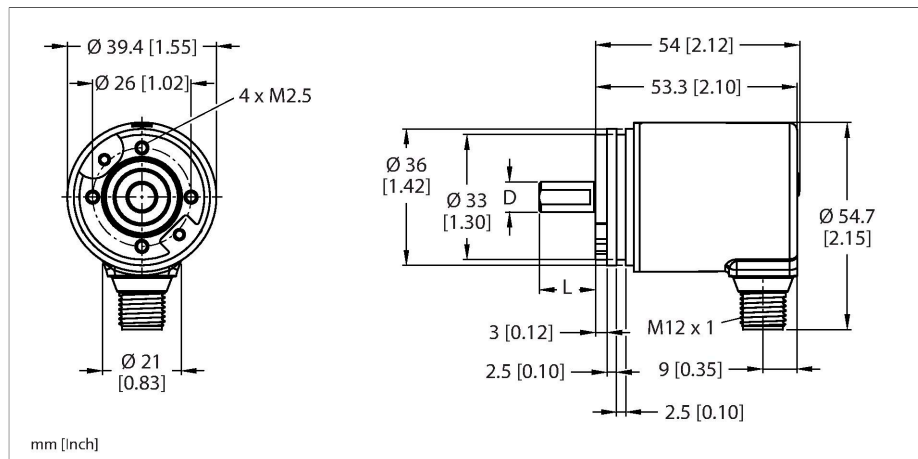


REM-99S10S-5C13S12M-H1181

Absolute Rotary Encoder - Multiturn Industrial Line



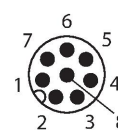
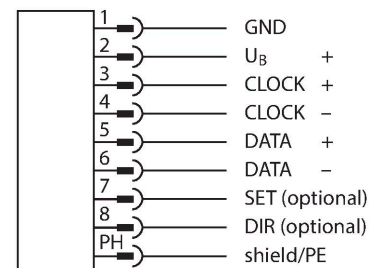
Features

- Synchro flange, $\varnothing 36$ mm
- Solid shaft, $\varnothing 10$ mm \times 20 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
- SSI, binary
- M12 \times 1 male, 8-pin
- Singleturn, 13-bit resolution
- Multiturn, 12-bit resolution

Technical data

Type	REM-99S10S-5C13S12M-H1181
ID	100011253
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
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
Resolution singleturn	13 Bit
Resolution multiturn	12 Bit
Electrical data	
Operating voltage	10...30 VDC
No-load current	40 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Communication protocol	SSi
Output function	Binary coded
Mechanical data	
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	$\varnothing 36$ mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10
Shaft Length L [mm]	20

Wiring diagram



Technical data

Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
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	IP67

Accessories

Dimension drawing	Type	ID	
	E-RKC 8T-264-2	U-04781	Connection cable, female M12, straight, 8-pin (twisted pairs), shielded, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

