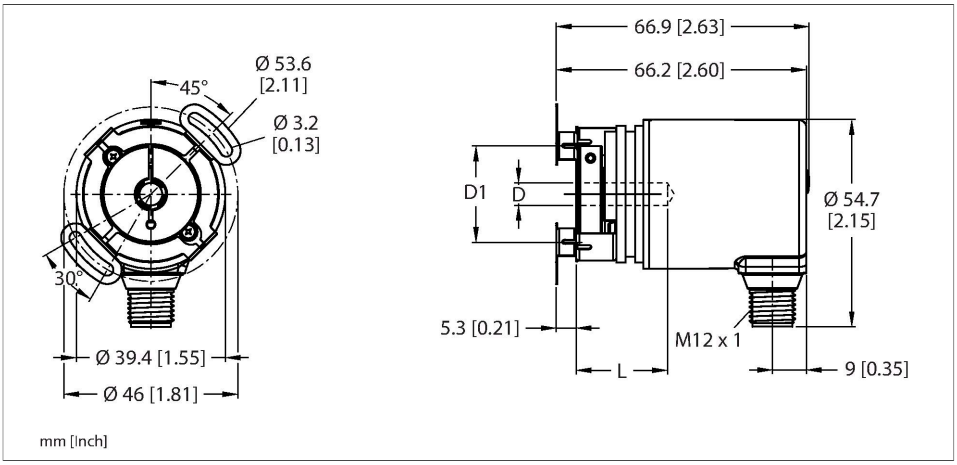
REM-100B10E-5C12S12M-H1181
Absolute Rotary Encoder - Multiturn
Industrial Line



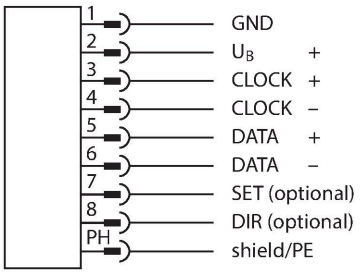
Features

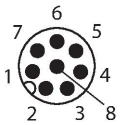
- Flange with slotted flex mount, Ø 46 mm
- Hollow shaft, Ø 10mm
- Optical measuring principle
- Shaft material, stainless steel
- IP67 rated on the shaft side
- -40…+85 °C
- Max. 4000 rev/min
- 10-30 VDC
- SSI (Binary Code)
- M12 connection, 8-pin
- Singleturn, 13-bit resolution
- Multiturn, 12-bit resolution

Technical data

Type	REM-100B10E-5C12S12M-H1181
Ident. no.	100011289
Measuring principle	**Magnetic**
Max. Rotational Speed	4000 rpm
Moment of inertia of the rotor	6 x10^{-6} kgm^2
Starting torque	< 0.01 Nm
Repeatability (at 25 °C)	± 0.2 °
Absolute accuracy (at 25 °C)	± 1 °
Ambient temperature	-40…+85 °C
Operating voltage	10…30 VDC
No-load current	≤ 40 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Absolute multiturn
Resolution singleturn	12 Bit
Resolution multiturn	12 Bit
Communication protocol	SSi
Output function	Binary coded
Design	**Hollow shaft**
Flange type	Flange with stator coupling
Flange diameter	Ø 46 mm
Shaft Type	Blind hole shaft
Shaft diameter D [mm]	10

Wiring diagram





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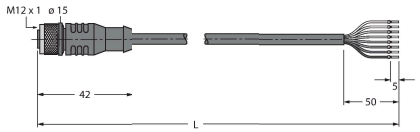
Technical data

Wavelength L [mm]	18.5
Shaft material	Stainless Steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	M12, 8-pole
Axial shaft load	20 N
Radial shaft load	40 N
Vibration resistance (EN 60068-2-6)	30 g (300 m/s²), 10…2000 Hz
Shock resistance (EN 60068-2-27)	250 g (2500 m/s²), 6 ms
Protection class	IP67
Protection class shaft	IP67

Wiring accessories

Dimension drawing	Type	Ident. no.	
	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

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