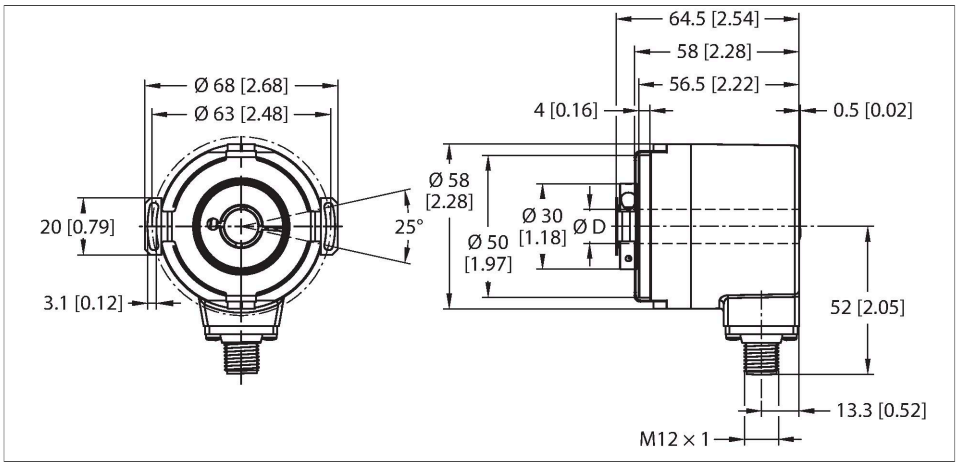
REM-104H14E-5C13S12M-H1181
Absolute Rotary Encoder - Multiturn
Industrial Line



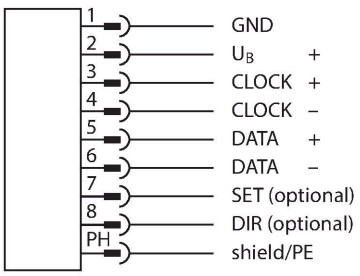
Features

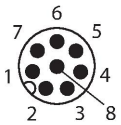
- Flange with torque stop, Ø 50 mm
- Hollow shaft, Ø 12mm
- Optical measuring principle
- Shaft material, stainless steel
- IP67 rated on the shaft side
- -40…+85 °C
- Max. 4000 rev/min
- 10-30 VDC
- SSI Binary
- Male connector, M12 x 1, 8-pole
- Singleturn, 13-bit resolution
- Multiturn, 12-bit resolution

Technical data

Type	REM-104H14E-5C13S12M-H1181
Ident. no.	100011403
Measuring principle	**Optical**
Max. Rotational Speed	4000 rpm
Moment of inertia of the rotor	6 x10^{-6} kgm^2
Starting torque	< 0.05 Nm
Absolute accuracy (at 25 °C)	± 0.015 °
Ambient temperature	-40…+85 °C
Operating voltage	10…30 VDC
No-load current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Absolute multiturn
Resolution singleturn	13 Bit
Resolution multiturn	12 Bit
Communication protocol	SSi
Output function	Binary coded
Design	**Hollow shaft**
Flange type	Flange with stator coupling
Flange diameter	Ø 63 mm
Shaft Type	Hollow shaft
Shaft diameter D [mm]	14
Shaft material	stainless steel

Wiring diagram





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Technical data

Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	M12, 8-pole
Axial shaft load	40 N
Radial shaft load	80 N
Vibration resistance (EN 60068-2-6)	100 m/s², 10…2000 Hz
Shock resistance (EN 60068-2-27)	2500 m/s², 6 ms
Protection class	IP67
Protection class shaft	IP67

Pin configuration

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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