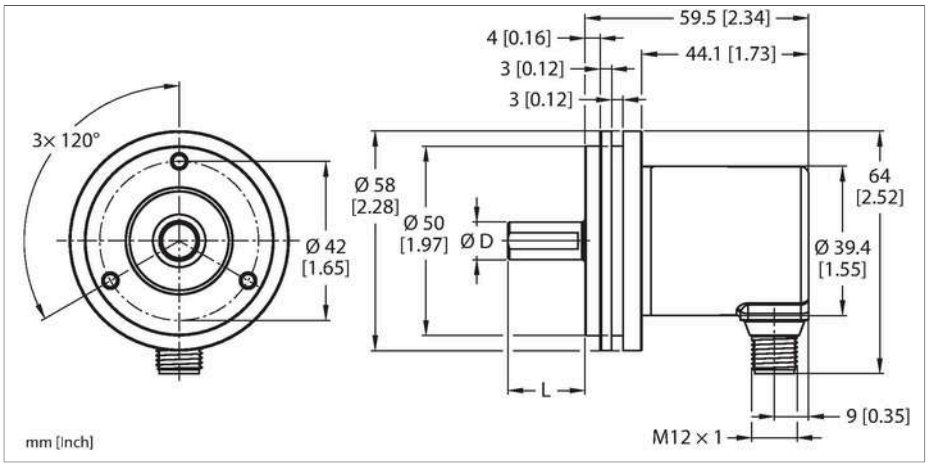
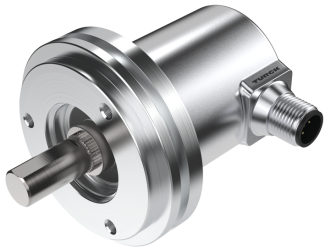
REM-E-118T10S-3C13S12M-H1181
Absolute Rotary Encoder - Multiturn Efficiency Line





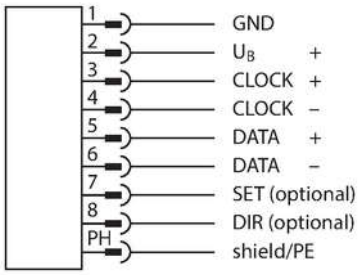
Technical data

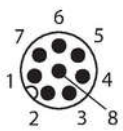
Type	REM-E-118T10S-3C13S12M-H1181
ID	100011506
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
Absolute accuracy (at 25 °C)	± 1 °
Output type	Absolute multiturn
Resolution singleturn	13 Bit
Resolution multiturn	12 Bit
Electrical data	
Operating voltage	10…30 VDC
No-load current	40 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Signal level high	typ. 3.8 V
Signal level low	typ. 1.3 V
Communication protocol	SSi
Output function	Gray coded
Mechanical data	
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10

Features

- Synchro flange, Ø 58 mm
- Solid shaft, Ø 10 mm × 20 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- -20…+70 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- Energy harvesting technology
- 10…30 VDC
- SSI, gray
- M12 × 1 male, 8-pin
- Singleturn, 13-bit resolution
- Multiturn, 12-bit resolution

Wiring diagram





REM-E-118T10S-3C13S12M-H1181| 19-07-2023 04-08 | Technical modifications reserved

Technical data

Shaft Length L [mm]	20
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	M12, 8-pin
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-20…+70 °C
Vibration resistance (EN 60068-2-6)	30 g (300 m/s²), 10…2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s²), 4 ms
Protection class	IP64
Protection class shaft	IP64

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

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