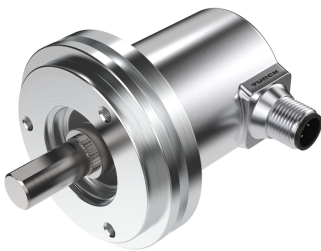
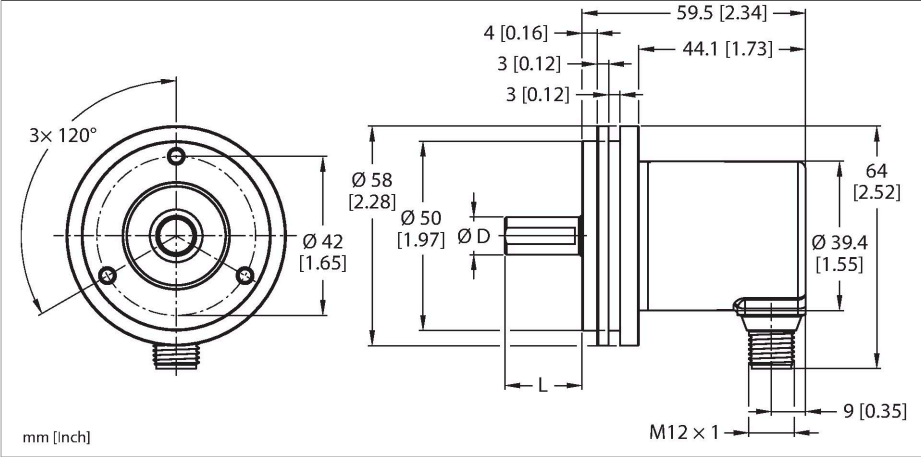


REM-E-118T10S-3C13S12M-H1181
Absolute Rotary Encoder - Multiturn
Efficiency Line



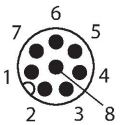
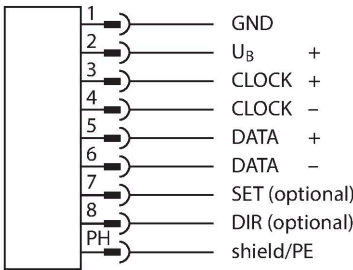
Technical data

Type	REM-E-118T10S-3C13S12M-H1181
ID	100011506
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
Resolution singleturn	13 Bit
Resolution multiturn	12 Bit
Electrical data	
Operating voltage U _B	10...30 VDC
No-load current	≤ 40 mA
Output current	≤ 30 mA
Short-circuit protection	yes
Wire break/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	
Flange type	Synchro flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	10
Shaft Length L [mm]	20
Shaft material	Stainless steel

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

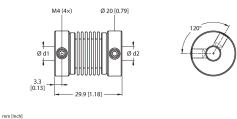


Technical data

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

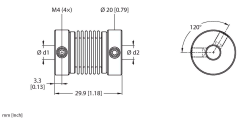
RA-BC-20-06-10 100048779



Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 10 mm

● 2 mm
1.5 Nm

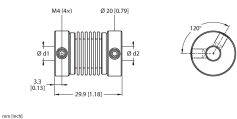
RA-BC-20-10-10 100048782



Bellows coupling with aluminum hub
Ø 20 mm; d1 = 10 mm, d2 = 10 mm

● 2 mm
1.5 Nm

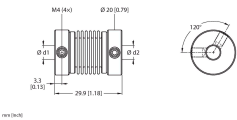
RA-BC-E-20-06-10 100048786



Stainless steel bellows coupling Ø
20 mm; d1 = 6 mm, d2 = 10 mm

● 2 mm
0.7 Nm

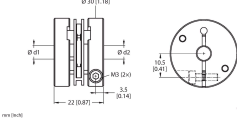
RA-BC-E-20-10-12 100048788



Stainless steel bellows coupling Ø
20 mm; d1 = 10 mm, d2 = 12 mm

● 2 mm
1.2 Nm

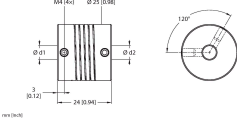
RA-SDC-30-10-12 100048793



Spring disc coupling Ø 30 mm; d1 =
10 mm, d2 = 12 mm

● 2.5 mm
1.2 Nm

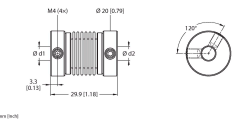
RA-HC-25-10-12 100048797



Aluminum helix coupling Ø 25 mm; d1
= 10 mm, d2 = 12 mm

● 2 mm
1.2 Nm

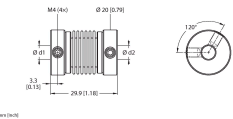
RA-BC-20-08-10 100048781



Bellows coupling with aluminum hub
Ø 20 mm; d1 = 8 mm, d2 = 10 mm

● 2 mm
1.5 Nm

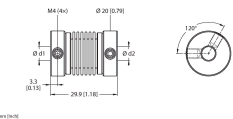
RA-BC-20-10-12 100048783



Bellows coupling with aluminum hub
Ø 20 mm; d1 = 10 mm, d2 = 12 mm

● 2 mm
1.5 Nm

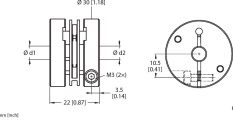
RA-BC-E-20-10-10 100048787



Stainless steel bellows coupling Ø
20 mm; d1 = 10 mm, d2 = 10 mm

● 2 mm
0.7 Nm

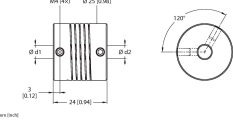
RA-SDC-30-10-10 100048792



Spring disc coupling Ø 30 mm; d1 =
10 mm, d2 = 10 mm

● 2.5 mm
1.2 Nm

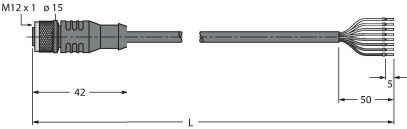
RA-HC-25-10-10 100048796



Aluminum helix coupling Ø 25 mm; d1
= 10 mm, d2 = 10 mm

● 2 mm
1.2 Nm

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