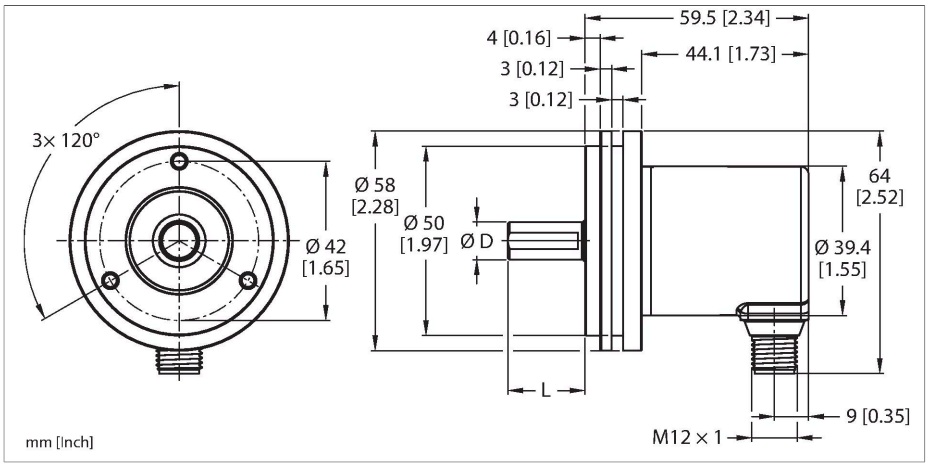
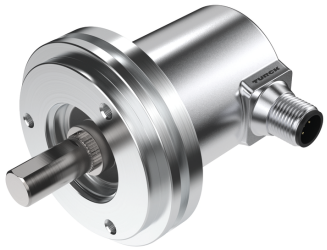
REM-116T10S-7AAR-H1151
Absolute Rotary Encoder - Multiturn
Industrial Line





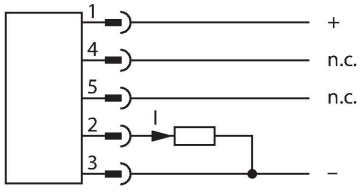
Technical data

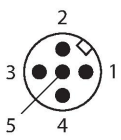
Type	REM-116T10S-7AAR-H1151
ID	100011414
Measuring principle	Magnetic
General data	
Max. Rotational Speed	4000 rpm
Absolute accuracy	± 1 ° At 25 °C
Output type	Absolute multiturn
Electrical data	
Operating voltage U_B	10…30 VDC
No-load current	≤ 38 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Output function	Analog output
Current output	4…20 mA
DA converter resolution	12 Bit
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
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	5-pin
Axial shaft load	40 N

Features

- Synchro flange, Ø 58 mm
- Solid shaft, Ø 10 mm × 20 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP65 on housing and shaft side
- -40…+85°C
- Max. 4000 rpm (continuous operation: 2000)
- Energy harvesting technology
- 10…30 VDC
- Analog output, 4…20 mA per 16 CW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

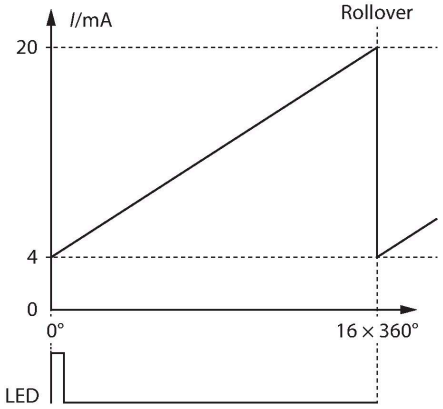
Wiring diagram





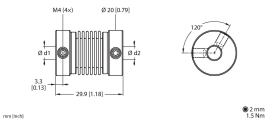
Technical data

Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-40…+85 °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	IP65
Protection class shaft	IP65



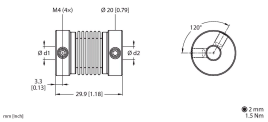
Accessories

RA-BC-20-06-10 100048779



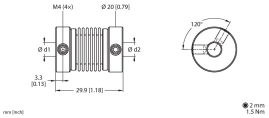
Bellows coupling with aluminum hub Ø 20 mm; d1 = 6 mm, d2 = 10 mm

RA-BC-20-08-10 100048781



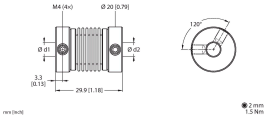
Bellows coupling with aluminum hub Ø 20 mm; d1 = 8 mm, d2 = 10 mm

RA-BC-20-10-10 100048782



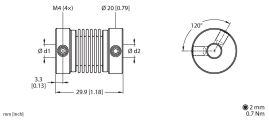
Bellows coupling with aluminum hub Ø 20 mm; d1 = 10 mm, d2 = 10 mm

RA-BC-20-10-12 100048783



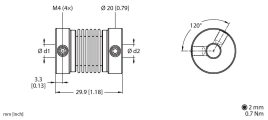
Bellows coupling with aluminum hub Ø 20 mm; d1 = 10 mm, d2 = 12 mm

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



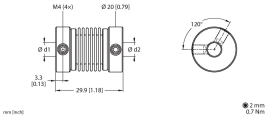
Stainless steel bellows coupling Ø 20 mm; d1 = 6 mm, d2 = 10 mm

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



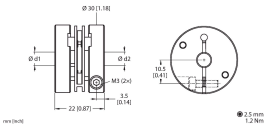
Stainless steel bellows coupling Ø 20 mm; d1 = 10 mm, d2 = 10 mm

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



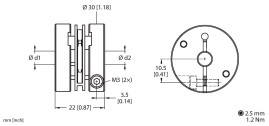
Stainless steel bellows coupling Ø 20 mm; d1 = 10 mm, d2 = 12 mm

RA-SDC-30-10-10 100048792



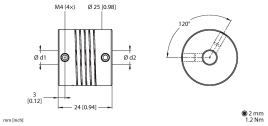
Spring disc coupling Ø 30 mm; d1 = 10 mm, d2 = 10 mm

RA-SDC-30-10-12 100048793



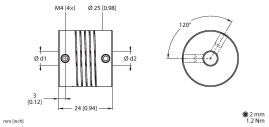
Spring disc coupling Ø 30 mm; d1 = 10 mm, d2 = 12 mm

RA-HC-25-10-10 100048796



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

RA-HC-25-10-12 100048797



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

Accessories

Dimension drawing	Type	ID	
	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval