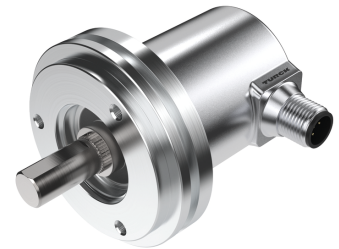
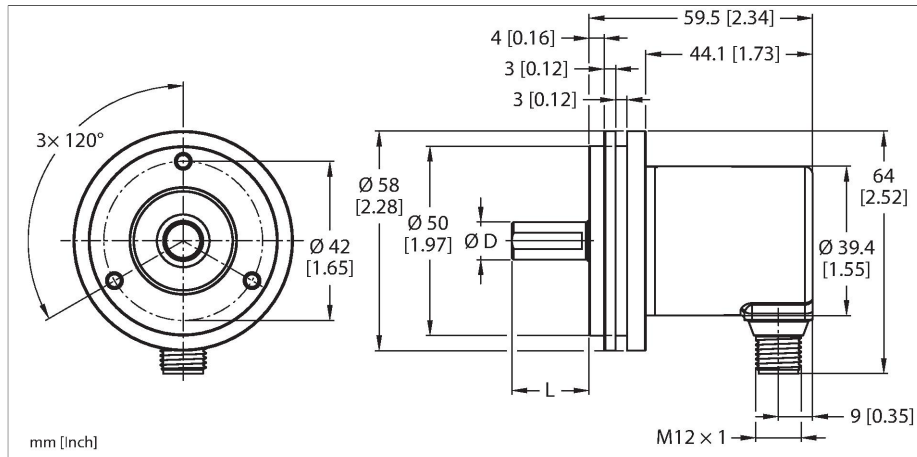


REM-116T10S-8BAL-H1151

Absolute Rotary Encoder - Multiturn Industrial Line



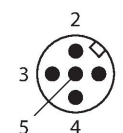
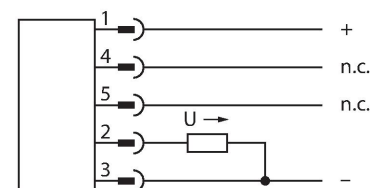
Technical data

Type	REM-116T10S-8BAL-H1151
ID	100012471
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	15...30 VDC
No-load current	≤ 35 mA
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Output function	Analog output
Voltage output	0...10 V
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

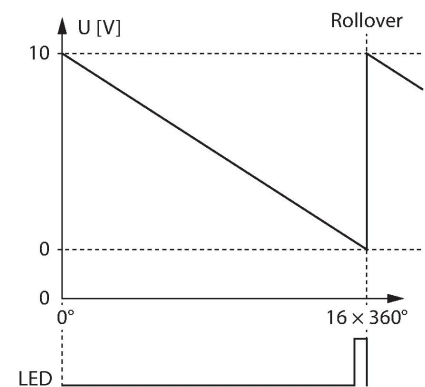
- Synchro flange, Ø 58 mm
- Solid shaft, Ø 10 mm × 20 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP65 on housing and shaft side
- -40...+85°C
- Max. 4000 rpm (continuous operation: 2000)
- Energy harvesting technology
- 15...30 VDC
- Analog output, 0...10 V per 16 CCW 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/s ²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s ²), 4 ms
Protection class	IP65
Protection class shaft	IP65



Accessories

RA-BC-20-06-10 rev 16/12	100048779 Bellows coupling with aluminum hub $\varnothing 20$ mm; $d_1 = 6$ mm, $d_2 = 10$ mm	RA-BC-20-08-10 rev 16/12	100048781 Bellows coupling with aluminum hub $\varnothing 20$ mm; $d_1 = 8$ mm, $d_2 = 10$ mm
RA-BC-20-10-10 rev 16/12	100048782 Bellows coupling with aluminum hub $\varnothing 20$ mm; $d_1 = 10$ mm, $d_2 = 10$ mm	RA-BC-20-10-12 rev 16/12	100048783 Bellows coupling with aluminum hub $\varnothing 20$ mm; $d_1 = 10$ mm, $d_2 = 12$ mm
RA-BC-E-20-06-10 rev 16/12	100048786 Stainless steel bellows coupling $\varnothing 20$ mm; $d_1 = 6$ mm, $d_2 = 10$ mm	RA-BC-E-20-10-10 rev 16/12	100048787 Stainless steel bellows coupling $\varnothing 20$ mm; $d_1 = 10$ mm, $d_2 = 10$ mm
RA-BC-E-20-10-12 rev 16/12	100048788 Stainless steel bellows coupling $\varnothing 20$ mm; $d_1 = 10$ mm, $d_2 = 12$ mm	RA-SDC-30-10-10 rev 16/12	100048792 Spring disc coupling $\varnothing 30$ mm; $d_1 = 10$ mm, $d_2 = 10$ mm
RA-SDC-30-10-12 rev 16/12	100048793 Spring disc coupling $\varnothing 30$ mm; $d_1 = 10$ mm, $d_2 = 12$ mm	RA-HC-25-10-10 rev 16/12	100048796 Aluminum helix coupling $\varnothing 25$ mm; $d_1 = 10$ mm, $d_2 = 10$ mm
RA-HC-25-10-12 rev 16/12	100048797 Aluminum helix coupling $\varnothing 25$ mm; $d_1 = 10$ mm, $d_2 = 12$ 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

