

REM-116T6C-7AAR-H1151

Absolute Rotary Encoder - Multiturn Industrial Line



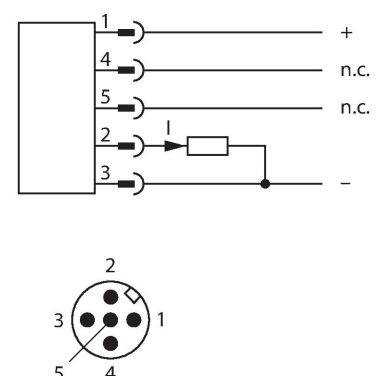
Technical data

Type	REM-116T6C-7AAR-H1151
ID	100011411
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	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	6
Shaft Length L [mm]	12.5
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	5-pin
Axial shaft load	40 N

Features

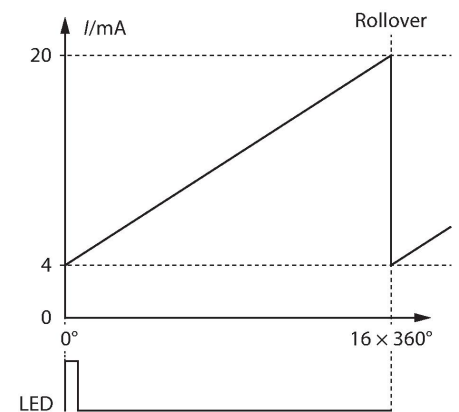
- Clamping flange, Ø 58 mm
- Solid shaft, Ø 6 mm × 12.5 mm
- Magnetic measuring principle
- Shaft material: stainless steel
- Protection class IP65 on housing and shaft side
- -40...+85°C
- Max. 4000 rpm (continuous operation: 2000)
- Energy harvesting technology
- 10...30 VDC
- Analog output, 4...20 mA per 16 CW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

Wiring diagram



Technical data

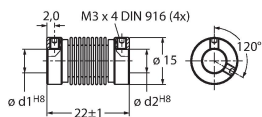
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-40...+85 °C
Vibration resistance (EN 60068-2-6)	30 g (300 m/s ²), 10...2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s ²), 4 ms
Protection class	IP65
Protection class shaft	IP65



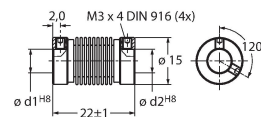
Accessories

RCS-15-08-06
1545361

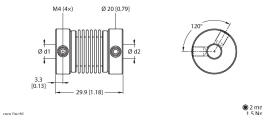
Bellows coupling, outer diameter:
15 mm, bore diameter: 8 mm/6 mm


RCS-15-06-06
1545362

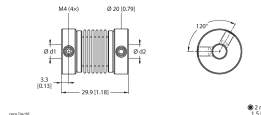
Bellows coupling, outer diameter:
15 mm, bore diameter: 6 mm/6 mm


RA-BC-20-06-06
100048777

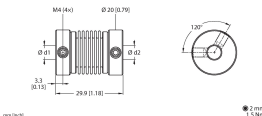
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 6 mm


RA-BC-20-06-08
100048778

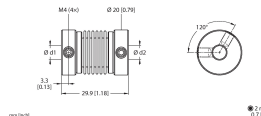
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 8 mm


RA-BC-20-06-10
100048779

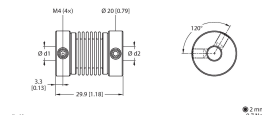
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 10 mm


RA-BC-E-20-06-06
100048785

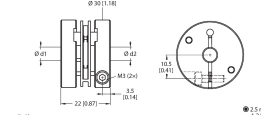
Stainless steel bellows coupling Ø
20 mm; d1 = 6 mm, d2 = 6 mm


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

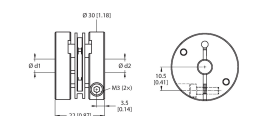
Stainless steel bellows coupling Ø
20 mm; d1 = 6 mm, d2 = 10 mm


RA-SDC-30-06-10
100048791

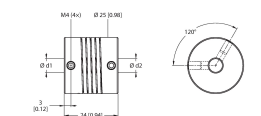
Spring disc coupling Ø 30 mm; d1 =
6 mm, d2 = 10 mm


RA-SDC-30-06-06
100048790

Spring disc coupling Ø 30 mm; d1 =
6 mm, d2 = 6 mm

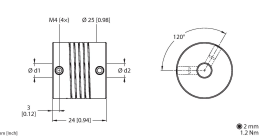

RA-HC-25-06-06
100048794

Aluminum helix coupling Ø 25 mm; d1
= 6 mm, d2 = 6 mm



RA-HC-25-06-10

100048795



Aluminum helix coupling Ø 25 mm; d1 = 6 mm, d2 = 10 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

