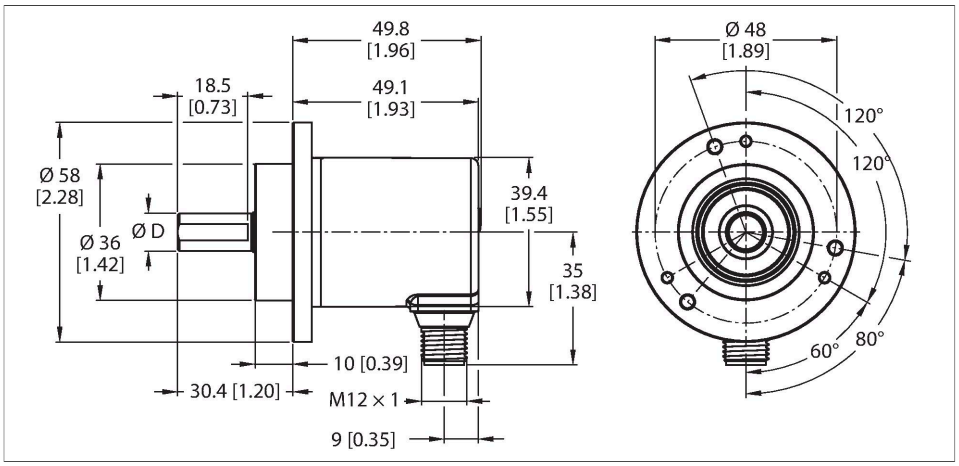
REM-E-116T10C-7AAR-H1151
Absolute Rotary Encoder - Multiturn
Efficiency Line



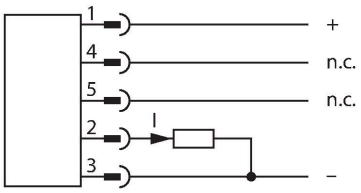
Technical data

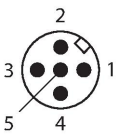
Type	REM-E-116T10C-7AAR-H1151
Ident. no.	100011508
Measuring principle	Magnetic
Max. Rotational Speed	4000 rpm
Absolute accuracy (at 25 °C)	± 1 °
Ambient temperature	-20…+70 °C
Operating voltage	10…30 VDC
No-load current	≤ 38 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Output type	Absolute multiturn
Output function	Analog output
Current output	4…20 mA
Design	Solid shaft
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10
Wavelength L [mm]	20
Shaft material	Stainless Steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	5-pin

Features

- Ø 58 mm clamping flange
- Solid shaft, Ø 10mm x 20mm
- Optical 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
- Analog output, 4…20 mA per 16 CW revolutions
- 12-bit resolution
- M12 × 1 male connector, 5-pin

Wiring diagram

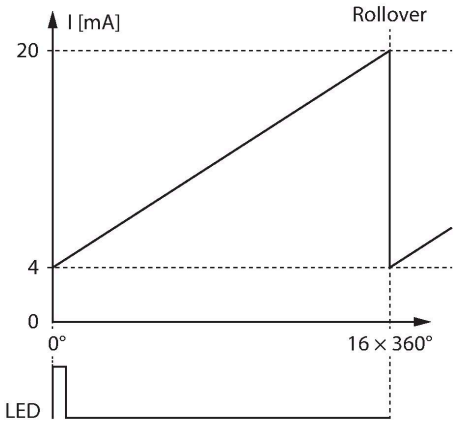




Functional principle

Technical data

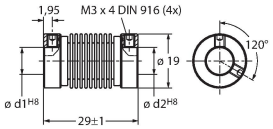
Axial shaft load	40 N
Radial shaft load	80 N
Vibration resistance (EN 60068-2-6)	30 g (300 m/s²), 10…2000 Hz
Shock resistance (EN 60068-2-27)	500 g (2500 m/s²), 4 ms
Protection class	IP64
Protection class shaft	IP64



Signal	Gnd	+U_B	Analog output	n.c.	n.c.
Pin assignment	3	1	2	4	5

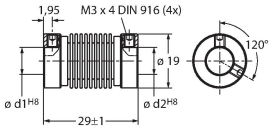
Accessories

RCS-19-10-08 1545357



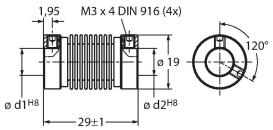
Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/8 mm

RCS-19-10-10 1545356



Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/10 mm

RCS-19-10-06 1545358



Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/6 mm

Wiring accessories

Dimension drawing	Type	Ident. no.	
	RKC4.5T-2/TEL	6625016	Connection cable, female M12, straight, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com



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