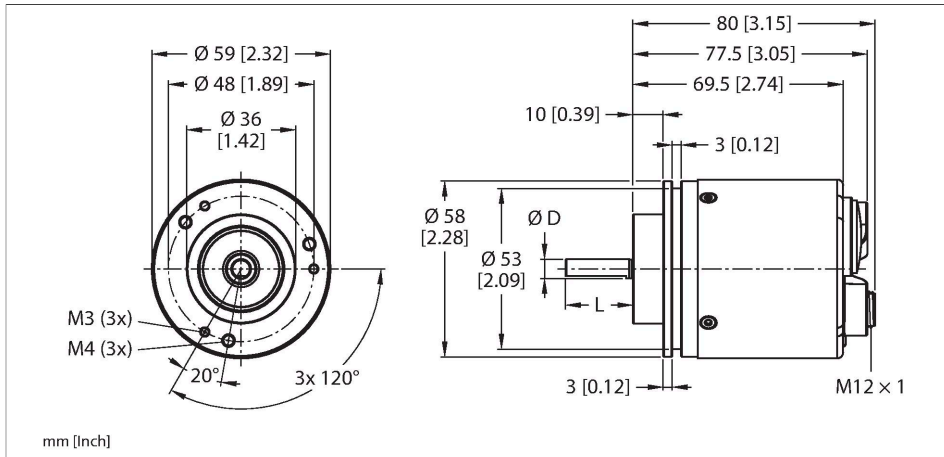


RS-107T10C-9N19B-B3M12

Absolute Rotary Encoder - Singleturn

Industrial Line



Technical data

Type	RS-107T10C-9N19B-B3M12
ID	200010790
Measuring principle	Optical
General data	
Max. rotational speed	9000 rpm
Moment of inertia of the rotor	$6 \times 10^{-6} \text{ kgm}^2$
Measuring range	0...360 °
Absolute accuracy	$\pm 0.015^\circ$ At 25 °C
Output type	Absolute singleturn
Resolution singleturn	19 Bit
	Singleturn scalable
Electrical data	
Operating voltage U_B	10...30 VDC
No-load current	$\leq 250 \text{ mA}$
Short-circuit protection	yes
Wire break/reverse polarity protection	yes
Communication protocol	EtherNet/IP
Mechanical data	
Flange type	Clamping flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D (mm)	10
Shaft Length L [mm]	20

Features

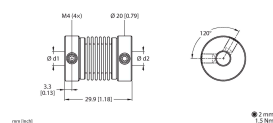
- Ø 58 mm clamping flange
- Solid shaft, Ø 10mm x 20mm
- Optical measuring principle
- Shaft material, stainless steel
- Protection class IP65 on the shaft side
- -40...+80°C
- max. 9000 rev / min
- 10...30 VDC
- Ethernet/IP
- M12 × 3 male connector, 4-pin
- Singleturn resolution scalable up to 19 bit, default 18 bit

Technical data

Shaft material	Stainless steel
Housing material	Aluminium
Electrical connection	Connector, 3 x M12
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-40...+80 °C
Vibration resistance (EN 60068-2-6)	10 g (100 m/s²), 55...2000 Hz
Shock resistance (EN 60068-2-27)	250 g (2500 m/s²), 6 ms
Protection class	IP65
Protection class shaft	IP65

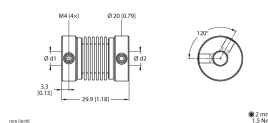
Accessories

RA-BC-20-06-10 100048779



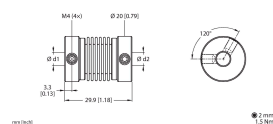
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 6 mm, d2 = 10 mm

RA-BC-20-08-10 100048781



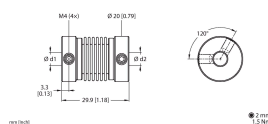
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 8 mm, d2 = 10 mm

RA-BC-20-10-10 100048782



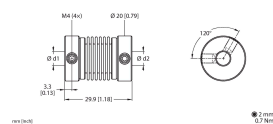
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 10 mm, d2 = 10 mm

RA-BC-20-10-12 100048783



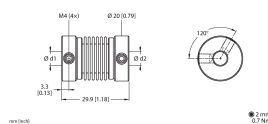
Bellows coupling with aluminum hub
Ø 20 mm; d1 = 10 mm, d2 = 12 mm

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



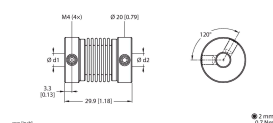
Stainless steel bellows coupling Ø
20 mm; d1 = 6 mm, d2 = 10 mm

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



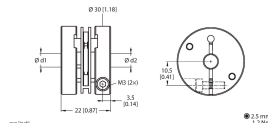
Stainless steel bellows coupling Ø
20 mm; d1 = 10 mm, d2 = 10 mm

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



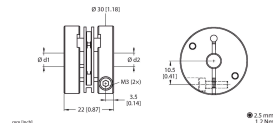
Stainless steel bellows coupling Ø
20 mm; d1 = 10 mm, d2 = 12 mm

RA-SDC-30-10-10 100048792



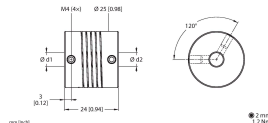
Spring disc coupling Ø 30 mm; d1 =
10 mm, d2 = 10 mm

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

