

REI-E-113T10S-4B1024-H1181

Incremental Encoder

Efficiency Line



Features

- Synchro flange, Ø 58 mm
- Solid shaft, Ø 10 mm × 20 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class IP64 on housing and shaft side
- -20...+70 °C
- Max. 4500 rpm (continuous operation 3000 rpm)
- 5...30 VDC
- RS422/TTL invertible
- Pulse frequency max. 300 kHz
- M12 × 1 male connector, 8-pin
- 1024 pulses per revolution

Technical data

Type	REI-E-113T10S-4B1024-H1181
ID	100011639
Measuring principle	Optical
General data	
Max. Rotational Speed	4500 rpm
Moment of inertia of the rotor	1.8 × 10 ⁻⁵ kgm ²
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution, incremental	1024 ppr
Electrical data	
Operating voltage	5...30 VDC
No-load current	90 mA
Output current	≤ 20 mA
Short-circuit protection	yes
Wire breakage/Reverse polarity protection	yes
Pulse frequency max.	300 kHz
Signal level high	min. 2.5 V
Signal level low	max. 0.5 V
Output function	RS422/TTL, invertable
Mechanical data	
Design	Solid shaft
Flange type	Synchro flange
Flange diameter	Ø 58 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	10

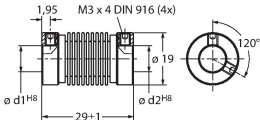
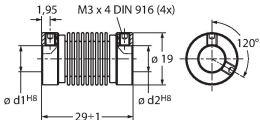
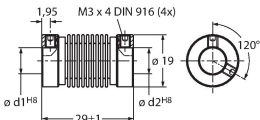
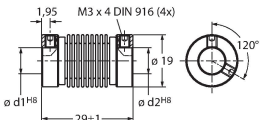
Wiring diagram



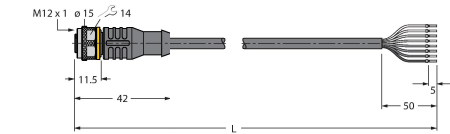
Technical data

Shaft Length L [mm]	20
Shaft material	Stainless steel
Housing material	Die-cast zinc
Electrical connection	Connector, M12 × 1
	8-pin
Axial shaft load	40 N
Radial shaft load	80 N
Environmental conditions	
Ambient temperature	-20...+70 °C
Vibration resistance (EN 60068-2-6)	100 m/s², 10...2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s², 6 ms
Protection class	IP64
Protection class shaft	IP64

Accessories

RCS-19-10-10	1545356	1545357
Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/10 mm		Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/8 mm
		
RCS-19-10-06	1545358	1545355
Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/6 mm		Bellows coupling, outer diameter: 19 mm, bore diameter: 12 mm/10 mm
		

Accessories

Dimension drawing	Type	ID	
RKC8T-2/TXL		6625142	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval
			

Dimension drawing	Type	ID	
	WKC8T-2/TXL	6625145	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval

