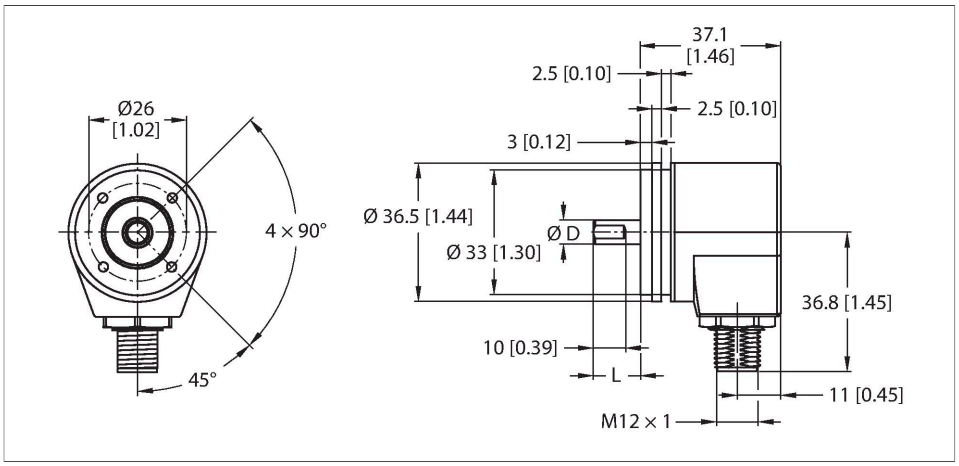
REI-04Q6S-2H500-H1181
Incremental Encoder
Industrial Line



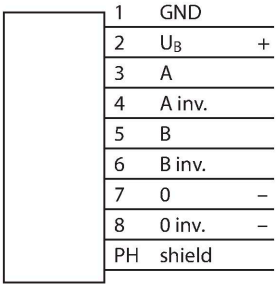
Features

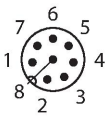
- Synchro flange, Ø 36.5 mm
- Solid shaft with flat, Ø 6 mm x 12.5 mm
- Optical measuring principle
- Shaft material: stainless steel
- Protection class shaft IP50
- Protection class housing IP65
- -20…+85 °C
- Max. 12000 rpm
- 8…30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 200 kHz
- M12 × 1 male connector, 8-pin
- 500 pulses per revolution

Technical data

Type	REI-04Q6S-2H500-H1181
Ident. no.	100011162
Measuring principle	**Optical**
Max. Rotational Speed	12000 rpm
Moment of inertia of the rotor	0.2 x10^{-6} kgm^2
Starting torque	< 0.05 Nm
Ambient temperature	-20…+85 °C
Operating voltage	8…30 VDC
No-load current	≤ 40 mA
Output current	≤ 50 mA
Short-circuit protection	yes
Output type	Incremental
Resolution, incremental	500 ppr
Pulse frequency max.	200 kHz
Signal level high	min. U_B - 3 V
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, with inverted signals
Design	**Solid shaft**
Flange type	Synchro flange
Flange diameter	Ø 36.5 mm
Shaft Type	Solid shaft
Shaft diameter D [mm]	6
Wavelength L [mm]	12.5

Wiring diagram





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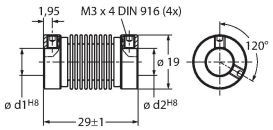
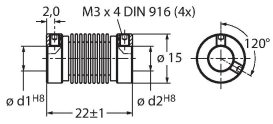
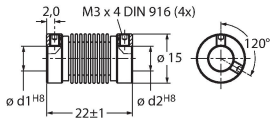
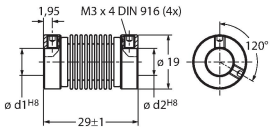
Technical data

	Shaft with flat
Shaft material	Stainless steel
Housing material	Aluminium chromated
Electrical connection	Connector, M12 × 1
	8-pin
Axial shaft load	20 N
Radial shaft load	40 N
Vibration resistance (EN 60068-2-6)	100 m/s², 55…2000 Hz
Shock resistance (EN 60068-2-27)	1000 m/s², 6 ms
Protection class	IP65
Protection class shaft	IP50

Accessories

RCS-19-10-06	1545358
	Bellows coupling, outer diameter: 19 mm, bore diameter: 10 mm/6 mm
RCS-15-06-06	1545362
	Bellows coupling, outer diameter: 15 mm, bore diameter: 6 mm/6 mm
RCS-15-08-06	1545361
	Bellows coupling, outer diameter: 15 mm, bore diameter: 8 mm/6 mm
RCS-19-06-06	1545360
	Bellows coupling, outer diameter: 19 mm, bore diameter: 6 mm/6 mm

Wiring accessories

Dimension drawing	Type	Ident. no.	
	RKC8T-2/TXL	6625142	Connection cable, female M12, straight, 8-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com

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