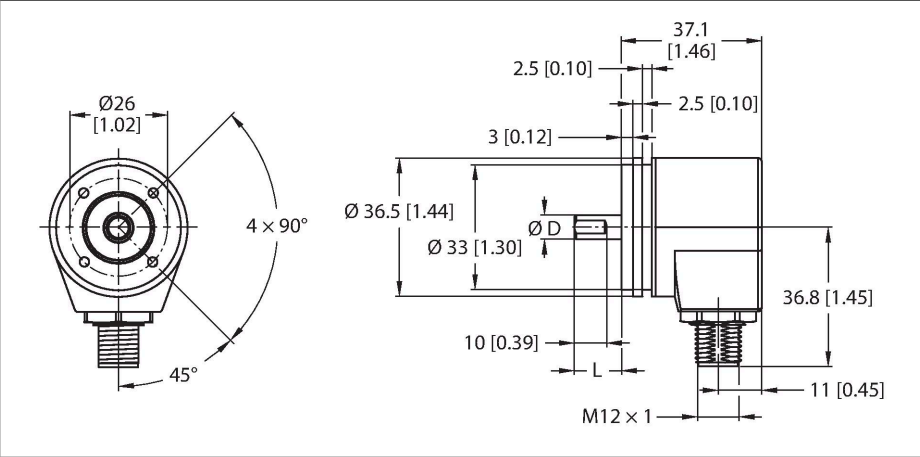


REI-04Q6S-2H2048-H1181
Incremental Encoder
Industrial Line



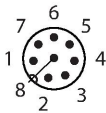
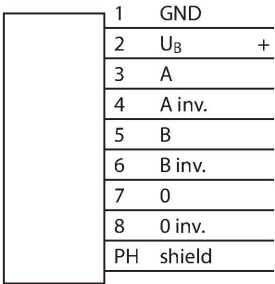
Technical data

Type	REI-04Q6S-2H2048-H1181
ID	100011164
Measuring principle	Optical
General data	
Max. rotational speed	12,000 rpm
Moment of inertia of the rotor	$0.2 \times 10^{-5} \text{ kgm}^2$
Starting torque	$< 0.05 \text{ Nm}$
Output type	Incremental
Resolution incremental	2048 ppr
Electrical data	
Operating voltage U_B	8...30 VDC
No-load current	$\leq 40 \text{ mA}$
Output current	$\leq 50 \text{ mA}$
Short-circuit protection	yes
Pulse frequency max.	200 kHz
Signal level high	min. $U_B - 3 \text{ V}$
Signal level low	max. 0.5 V
Output function	Push-Pull/HTL, invertable
Mechanical data	
Flange type	Synchro flange
Flange diameter	$\text{Ø } 36.5 \text{ mm}$
Shaft Type	Solid shaft
Shaft diameter D (mm)	6
Shaft Length L [mm]	12.5
	Shaft with flat
Shaft material	Stainless steel

Features

- Synchro flange, $\text{Ø } 36.5 \text{ mm}$
- Solid shaft with flat, $\text{Ø } 6 \text{ mm} \times 12.5 \text{ mm}$
- Optical measuring principle
- Shaft material: stainless steel
- Protection class shaft IP50
- Protection class housing IP65
- $-20 \dots +85 \text{ °C}$
- Max. 12000 rpm
- 8...30 VDC
- Push-pull/HTL invertible
- Pulse frequency max. 200 kHz
- M12 $\times$ 1 male connector, 8-pin
- 2048 pulses per revolution

Wiring diagram

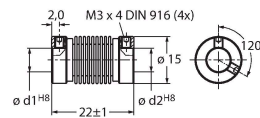
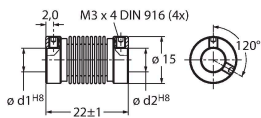


Technical data

Housing material	Aluminum chromated
Electrical connection	Connector, M12 × 1
	8-pin
Axial shaft load	20 N
Radial shaft load	40 N
Environmental conditions	
Ambient temperature	-20...+85 °C
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-15-08-06	1545361	RCS-15-06-06	1545362
Bellows coupling, outer diameter: 15 mm, bore diameter: 8 mm/6 mm		Bellows coupling, outer diameter: 15 mm, bore diameter: 6 mm/6 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
	WKC8T-2/TXL	6625145	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PUR, black; cULus approval