

REI-04Q6S-2H2500-H1181
Incremental Encoder
Industrial Line



Technical data

Type	REI-04Q6S-2H2500-H1181
ID	100011165
Measuring principle	Optical
General data	
Max. rotational speed	12,000 rpm
Moment of inertia of the rotor	0.2 × 10 ⁻⁵ kgm ²
Starting torque	< 0.05 Nm
Output type	Incremental
Resolution incremental	2500 ppr
Electrical data	
Operating voltage U _B	8...30 VDC
No-load current	≤ 40 mA
Output current	≤ 50 mA
Short-circuit protection	yes
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, invertable
Mechanical data	
Flange type	Synchro flange
Flange diameter	Ø 36.5 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, 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
- 2500 pulses per revolution

Wiring diagram

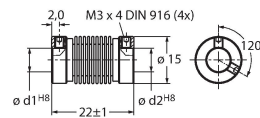
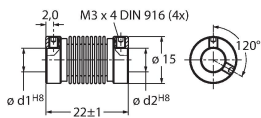


Technical data

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