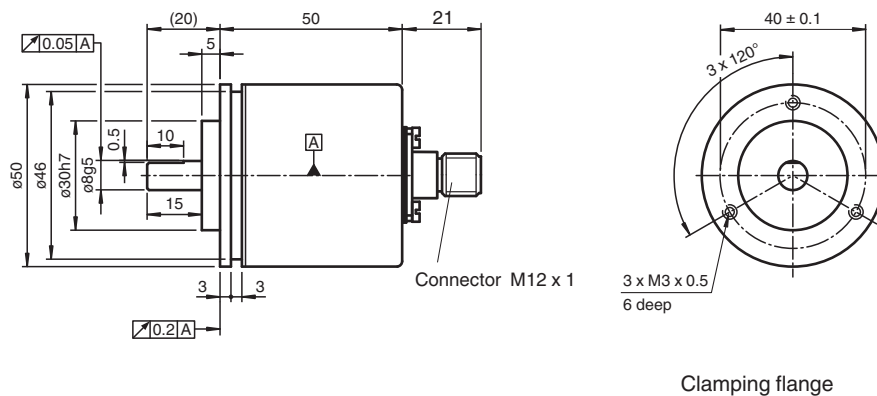


Dimensions



Technical Data

General specifications	
Detection type	photoelectric sampling
Pulse count	max. 2500
Electrical specifications	
Operating voltage	U_B 5 V DC \pm 5 %
No-load supply current	I_0 max. 150 mA
Output	
Output type	RS 422, incremental
Load current	max. per channel 20 mA , conditionally short-circuit proof
Output frequency	max. 160 kHz
Rise time	100 ns
De-energized delay	t_{off} 100 ns
Connection	
Connector	type 9416 (M23), 12-pin or type 42306 (M16), 6-pin
Cable	\varnothing 6 mm, 5 x 0.38 mm ² , 0.5 m
Standard conformity	
Degree of protection	DIN EN 60529, IP50
Climatic testing	DIN EN 60068-2-78 , no moisture condensation
Emitted interference	EN 61000-6-4:2007/A1:2011
Noise immunity	EN 61000-6-2:2005
Shock resistance	DIN EN 60068-2-27, 100 g, 3 ms
Vibration resistance	DIN EN 60068-2-6, 10 g, 10 ... 2000 Hz
Approvals and certificates	
UL approval	cULus Listed, General Purpose, Class 2 Power Source
Ambient conditions	
Operating temperature	
Glass disk	-20 ... 70 °C (-4 ... 158 °F)
Plastic disk	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	
Glass disk	-40 ... 70 °C (-40 ... 158 °F)
Plastic disk	-40 ... 60 °C (-40 ... 140 °F)
Mechanical specifications	
Material	
Housing	powder coated aluminum
Flange	3.1645 aluminum
Shaft	Stainless steel 1.4305 / AISI 303





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Technical Data

Mass	approx. 220 g
Rotational speed	max. 10000 min ⁻¹
Moment of inertia	≤ 5 gcm ²
Starting torque	≤ 1.5 Ncm
Shaft load	
Axial	30 N
Radial	50 N

Accessories




	9312-3	Synchro clamping element
	9250	Angled flange
	9416	Female cordset
	42306A	Female connector, field-attachable
	42306B	Female cordset
	9401 8*8	Spring steel coupling
	9401 8*10	Spring steel coupling
	9402 8*8	Spring steel coupling
	9409 8*8	Bellows coupling
	KW-8/8	Helical coupling
	KW-8/10	Helical coupling
	9101, 8	Measuring wheel for shaft diameter 8 mm
	9102, 8	Measuring wheel for shaft diameter 8 mm
	9103, 8	Measuring wheel for shaft diameter 8 mm
	9108, 8	Measuring wheel for shaft diameter 8 mm
	9109, 8	Measuring wheel for shaft diameter 8 mm
	9110, 8	Measuring wheel for shaft diameter 8 mm

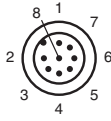
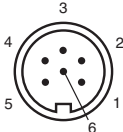
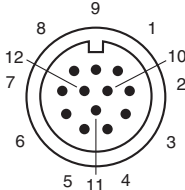
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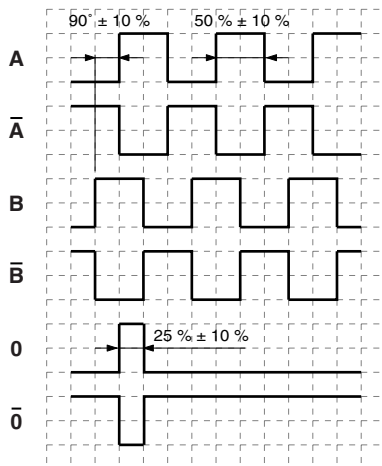
Accessories

	9112, 8	Measuring wheel for shaft diameter 8 mm
	9113, 8	Measuring wheel for shaft diameter 8 mm
	42306A-*M-05P-RVI50/78	Female cordset single-ended M16 straight 6-pin, PVC cable 5-core, shielded

Signal	Cable Ø6 mm, 5-core	Connector M12 x 1, 8-pin	Connector 42306 (M16), 6-pin	Connector 9416 (M23), 12-pin
GND	Black	1	5	8
+U _b	Red	2	4	7
A	Green	3	1	1
B	White	5	2	3
\bar{A}	-	4	-	2
\bar{B}	-	6	-	4
0	Yellow	7	3	5
$\bar{0}$	-	8	-	6
Screen	-	Housing	Housing	Housing
				

Operation

Signal outputs



↻ cw - with view onto the shaft

Type Code

Order code



Pulse count 30, 60, 90, 100, 180, 200, 250, 300, 314, 360, 400, 500, 600, 720, 900, 1000, 1024, 1200, 1250, 1440, 1500, 1800, 2000, 2048, 2400, 2500

Option
N Normal

Connection type, cable exit, signal output, output switching

ALA3T Connector M16, type 42306, 6-pin, axial, A + B + 0, 4.75 V ... 30 V, push-pull

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