



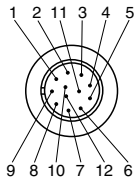
## Technical Data

Connection		
Connector		type 9416 (M23), 12-pin
Cable		Ø6 mm, 4 x 2 x 0.14 mm <sup>2</sup> , 2 m
Standard conformity		
Degree of protection		DIN EN 60529, IP65
Emitted interference		EN 61000-6-4:2007/A1:2011
Noise immunity		EN 61000-6-2:2005
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		
Combination 1		housing: stainless steel 1.4301 / AISI 304 flange: aluminum 3.1645 shaft: stainless steel 1.4305 / AISI 303
Combination 2 (Inox)		housing: stainless steel flange: stainless steel shaft: stainless steel
Mass		approx. 1250 g (combination 1) approx. 2200 g (combination 2)
Rotational speed		max. 6000 min <sup>-1</sup>
Moment of inertia		< 270 gcm <sup>2</sup>
Starting torque		≤ 5 Ncm
Shaft load		
Axial		60 N
Radial		80 N

## Accessories

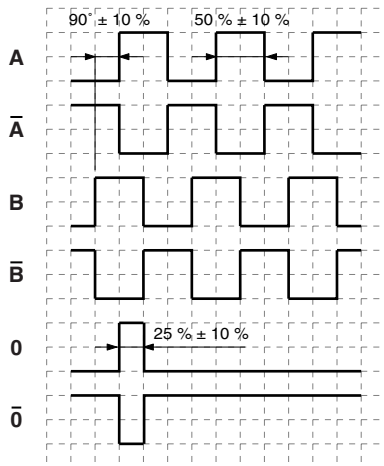
	<b>9301</b>	Angled flange
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**Connection**

Signal	Cable Ø6 mm, 8-core	Connector 9416, 12-pin
GND	White	1
+U <sub>b</sub>	Brown	2
A	Green	3
B	Grey	4
$\bar{A}$	Yellow	5
$\bar{B}$	Pink	6
0	Blue	7
$\bar{0}$	Red	8
		

**Operation**

**Signal outputs**



↻ cw - with view onto the shaft

**Type Code**

Release date: 2022-12-12 Date of issue: 2022-12-12 Filename: t2411\_eng.pdf



**Pulse count** 60, 100, 120, 180, 200, 250, 256, 300, 314, 360, 400, 500, 512, 600, 720, 900, 1000, 1024, 1200, 1250, 1500, 1800, 2000, 2048, 2400, 2500, 3000, 3600, 4000, 4096, 5000

**Exit position**

**A** Axial

**Material**

**I** INOX

**-** Aluminium

**Output switching**

**1** 10 V ... 30 V, push-pull

**6** 5 V, RS 422

**Connection type** (connector only axial)

**0** Cable Ø6 mm, 2 x 4 x 0.14 mm<sup>2</sup>, 2 m

**4** Plug connector type 9416, 12-pin

**Signal output**

**36** A + B + 0 and  $\bar{A} + \bar{B} + \bar{0}$

**42** A + B + 0