

## KUEBLER - INCREMENTAL ENCODER

### 3610/3620

SERIE 3620

- Housing diameter Ø36 mm
- M12 connector
- 25 to 2 500 pulses per revolution



#### Product description

Model Series 3610/3620 is small and robust with up to 2 500 pulses per revolution.

Available in Shoulder and Hole Axle Design, with Push-Pull or RS422.

Suitable for applications where space is limited.

Different options with radial, axial cable or M12 (8 pin).

Please refer to the images below for ordering information.

#### Order code Shaft version

8.3610	. XXXXX .	XXXX
Type	a b c d	e

##### a Flange

2 = synchro flange, Ø 36.5 mm [1.44"]

**3 = clamping flange, Ø 36.5 mm [1.44"]**

##### b Shaft (ø x L)

1 = ø 4 x 10 mm [0.16 x 0.39"]

2 = ø 5 x 10 mm [0.20 x 0.39"]

**3 = ø 6 x 12.5 mm [0.24 x 0.49"], with flat**

5 = ø 1/4" x 12.5 mm [1/4" x 0.49"], with flat

##### c Output circuit / power supply

2 = push-pull (with inverted signal) / 5 ... 18 V DC

**4 = push-pull (with inverted signal) / 8 ... 30 V DC**

3 = push-pull (without inverted signal) / 8 ... 30 V DC

6 = RS422 (with inverted signal) / 5 V DC

5 = RS422 (with inverted signal) / 8 ... 30 V DC

##### d Type of connection

1 = axial cable, 2 m [5.56'] PVC

A = axial cable, special length PVC \*)

**2 = radial cable, 2 m [5.56'] PVC**

B = radial cable, special length PVC \*)

3 = axial M12 connector, 8-pin

4 = radial M12 connector, 8-pin

\*) Available special lengths (connection types A, B):

3, 5, 8, 10, 15 m [9.84, 16.40, 26.25, 32.80, 49.21']

order code expansion .XXXX = length in dm

ex.: 8.3610.334A.1024.0030 (for cable length 3 m)

##### e Pulse rate

25, 100, **200**, 360, **500**, 512, 600, 1000,

**1024**, 1500, 2000, **2048**, **2500**

(e.g. 500 pulses => 0500)

*Optional on request*

- other pulse rates

**Order code**  
**Hollow shaft**

**8.3620** . **XXXXX** . **XXXX**  
Type      **a** **b** **c** **d**      **e**

**a** Flange

- 1 = with spring element, short
- 2 = with spring element, long**
- 5 = with stator coupling,  $\varnothing$  46 mm [1.81"]

**b** Through hollow shaft

- 2 =  $\varnothing$  6 mm [0.24"]**
- 4 =  $\varnothing$  8 mm [0.32"]
- 3 =  $\varnothing$  1/4"

**c** Output circuit / power supply

- 2 = push-pull (with inverted signal) / 5 ... 18 V DC
- 4 = push-pull (with inverted signal) / 8 ... 30 V DC**
- 3 = push-pull (without inverted signal) / 8 ... 30 V DC
- 6 = RS422 (with inverted signal) / 5 V DC
- 5 = RS422 (with inverted signal) / 8 ... 30 V DC

**d** Type of connection

- E = radial cable, 2 m [5.56'] PVC**
  - B = radial cable, special length PVC \*)
  - 4 = radial M12 connector, 8-pin
- \*) Available special lengths (connection type B):  
3, 5, 8, 10, 15 m [9.84, 16.40, 26.25, 32.80, 49.21']  
order code expansion .XXXX = length in dm  
ex.: 8.3620.224B.1024.0030 (for cable length 3 m)

**e** Pulse rate

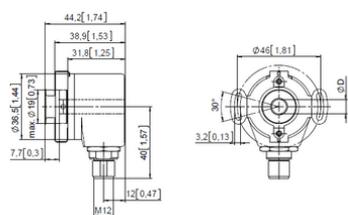
- 25, 100, **200**, 360, **500**, 512, 600, 1000,
- 1024**, 1500, 2000, **2048**, **2500**
- (e.g. 500 pulses => 0500)

*Optional on request*  
- other pulse rates

Specifications

<b>Housing diameter</b>	36
<b>IP Class</b>	IP50, IP64, IP65
<b>Pulse Max</b>	2500
<b>Shaft Diameter max</b>	8
<b>Shaft Diameter min</b>	6
<b>Supply Voltage DC Max</b>	30
<b>Supply Voltage DC Min</b>	5
<b>Temperature range from</b>	-20
<b>Temperature range to</b>	85

5 - Statorkoppling



2 - lång momentarm

