

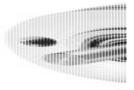
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KUEBLER - INCREMENTAL ENCODER MINIATURE SERIES 2400/2420

SERIE 2420



- House diameter Ø24 mm
- Cable connection 2 metres
- Miniature version.
- Temperature compensation



PRODUCT DESCRIPTION

Model 2400/2420 is a pulse generator series for industrial applications for confined spaces or where the sensor needs to be lightweight. The models 2400/2420 have a so-called Push-Pull output which means that it can be connected to an input that is either PNP or NPN. Output signals are A, B, 0. They also have inverted signals to be connected to inputs that are adapted for malfunction.

Please refer to the images below for ordering information.

Order code Shaft version 05.2400		
Flange 1 = ø 24 mm [0.94"] 3 = ø 28 mm [1.10"] 2 = ø 30 mm [1.18"] Shaft (ø x L) 1 = ø 4 x 10 mm [0.16 x 0.39"] 3 = ø 5 x 10 mm [0.20 x 0.39"], with flat 2 = ø 6 x 10 mm [0.24 x 0.39"] 4 = ø 1/4" x 10 mm [1/4" x 0.39"], with flat 11 6 = ø 6 x 10 mm [0.24 x 0.39"], with flat 11	Output circuit / power supply 1 = push-pull (without inverted signal) / 5 24 V DC 2 = push-pull (with inverted signal) / 5 24 V DC 3 = push-pull (without inverted signal) / 8 30 V DC 4 = push-pull (with inverted signal) / 8 30 V DC Type of connection 1 = axial cable, 2 m [6.56'] PVC A = axial cable, 2 m [6.56'] PVC B = radial cable, 2 m [6.56'] PVC B = radial cable, special length PVC *) *) Available special length PVC *) a vailable 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.: 05.2400.122A.1024.0030 (for cable length 3 m)	Pulse rate 4, 6, 8, 10, 16, 20, 25, 36, 40, 50, 60, 80, 100, 120, 125, 180, 200, 250, 300, 360, 400, 500, 512, 1000, 1024 (e.g. 360 pulses => 0360) Stock types 05.2400.1122.0050 05.2400.1122.0360 05.2400.1122.0500 05.2400.1122.1000 05.2400.1122.1024 Optional on request - other pulse rates

Blind hollow shaft
(insertion depth max. 14 mm [0.55"])

1 = ø 4 mm [0.16"]

2 = ø 6 mm [0.24"]

A = axial cable, special length PVC *)
2 = radial cable, 2 m [6.56'] PVC
B = radial cable, special length PVC *)

*) 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.: 05.2420.122A.1024.0030 (for cable length 3 m)

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

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

Pulse rate
4, 6, 8, 10, 16, 20, 25, 36, 40, 50, 60, 80, 100, 120, 125, 180, 200, 250, 300,

360, 400, 500, **512**, **1000**, **1024** (e.g. 360 pulses => 0360)

Stock types 05.2420.1212.0500 05.2420.1222.0500 05.2420.1222.1000 05.2420.1222.1024

Optional on request - other pulse rates

TECHNICAL DATA

Connection	Cable
Housing diameter	24 mm
IP class	IP64
Mounting	Hollow shaft
Output	Push/Pull
Pulse max	1024
Sensor type	Incremental
Shaft diameter max	6 mm
Shaft diameter min	4 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	5 V DC
Temperature operational max	85 °C
Temperature operational min	-20 °C
Version	Multiturn

