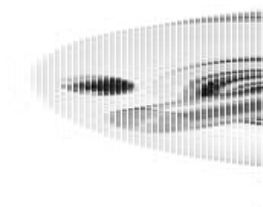


KUEBLER - INCREMENTAL ENCODER MINIATURE SERIES 2400/2420

2400.1122.1024

INC.ENC 1024ppr 4mm SHFT RAD

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

| | | | | | | | |
|---|--|---|--------|---|--------|--------|-----------|
| Order code Hollow shaft | | 05.2420 Type | 1 a | X b | X c | X d | XXXX e |
| a Flange 1 = ø 24 mm [0.94"] | | c 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 | | e 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) | | | |
| b Blind hollow shaft (insertion depth max. 14 mm [0.55"]) 1 = ø 4 mm [0.16"] 2 = ø 6 mm [0.24"] | | d Type of connection 1 = axial cable, 2 m [6.56'] PVC 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) | | Stock types 05.2420.1212.0500 05.2420.1222.0500 05.2420.1222.1000 05.2420.1222.1024 Optional on request - other pulse rates | | | |
| 4 = ø 1/4" ¹⁾ | | | | | | | |

TECHNICAL DATA

| | |
|-----------------------------|------------------|
| Connection | Cable |
| Housing diameter | 24 mm |
| IP class | IP50 |
| Mounting | Shoulder |
| Output | Push/Pull |
| Pulse max | 5000 |
| Resolution | 1024 pulses/turn |
| Sensor type | Incremental |
| Shaft diameter | 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 |

