



TECHNICAL DATA

|  | NOE2-05   | NOE2-24                   |
|--|---|---------------------------|
| <b>Resolution</b>                      | 1000, 2000, 4000 CPR  | 1000, 2000, 4000 CPR      |
| <b>Signal form</b>                     | Square wave signal  | Square wave signal        |
| <b>Output signals</b>                  | Phase A, A\, B, B\, I, I\   | Phase A, A\, B, B\, I, I\ |
| <b>Operating voltage</b>               | 4.5-5.5 VDC   | 24 VDC                    |
| <b>Current consumption</b>             | Typ. 30 mA  | Typ. 15 mA                |
| <b>Limit frequency</b>                 | 60 KHz (1000 pulses/rev)  | 60 KHz (1000 pulses/rev)  |
|  | 120 KHz (2000 pulses/rev)   | 120 KHz (2000 pulses/rev) |
|  | 240 KHz (4000 pulses/rev)   | 240 KHz (4000 pulses/rev) |
| <b>Limit speed</b>                     | 3600 rpm  | 3600 rpm                  |
| <b>Pulse width</b>                     | 180° ± 30°e   | 180° ± 30°e               |
| <b>Phase shift</b>                     | 90° ± 18°e  | 90° ± 18°e                |
| <b>Signal level</b>                    | Low 0 V; High: +3.5 V (±10%, without load),<br>+3 V (±10%, with load 20 mA) | Low 0 V, high/ Vcc-0.5 V  |
| <b>Max. output current per channel</b> | 150 mA  | 200 mA                    |
| <b>Working temperature</b>             | -20-85°C  | -20-85°C                  |
| <b>Storage temperature</b>             | -40-85°C  | -40-85°C                  |
| <b>Humidity</b>                        | Max. 90%, non-condensing  | Max. 90%, non-condensing  |

VERSIONS

| Type      | Index | Line Driver | Signal Voltage V | Cycles per Revolution |
|-----------|-------|-------------|------------------|-----------------------|
| NOE2-05-B | Yes   | Yes         | 5                | 1000                  |
| NOE2-05-K | Yes   | Yes         | 5                | 4000                  |
| NOE2-24-B | Yes   | Yes         | 24               | 1000                  |
| NOE2-24-K | Yes   | Yes         | 24               | 4000                  |

ORDER IDENTIFIER

**NOE2-05-B**  
 14 = 5 mm  
 06 = 6.35 mm  
 10 = 10 mm, type hollow shaft  
 15 = 15 mm, type hollow shaft

ACCESSORIES

**ZK-NOE1-10-500-S** Encoder Cable  
**ZK-NOE1-10-2000-S** Encoder Cable

CAUTION

Please note that the encoder is only available in combination with a motor and must be mounted by Nanotec.

DIMENSIONS (IN MM)

