



### TECHNICAL DATA

<b>Output Signals</b>	phase A, A\, B, B\, I, I\
<b>Current Consumption</b>	72, max. 85 mA
<b>Limit Frequency</b>	360 kHz - 720 kHz
<b>Limit Speed</b>	8640 RPM - 10800 RPM
<b>Max. Output Current per Channel</b>	8 mA
<b>Signal Level</b>	low: 3.5 V, min. 2.0 V, high: 3.5 V, min. 2.0 V
<b>Operating Temperature</b>	-25 °C - 100 °C
<b>Output Rise Time</b>	50 ns
<b>Output Fall Time</b>	50 ns
<b>Vibration (5 Hz-2 kHz)</b>	20 G
<b>ESD, IEC61000-4-2</b>	±4 kV

### VERSIONS

Type	Index	Line Driver	Encoder Signal Type	Encoder Resolution CPR	Operating Voltage V	Limit Frequency kHz
NTO3-05-C	✓	✓	incremental	2000	5	360
NTO3-05-K	✓	✓	incremental	4000	5	720
NTO3-05-Z	✓	✓	incremental	5000	5	720

### ORDER IDENTIFIER

**NTO3-05-C**  
06 = 6.35 mm shaft diameter  
14 = 5 mm shaft diameter



### ACCESSORIES

**ZK-NTO3-10-500-S**  
Encoder Cable NTO3 0.5m  
**ZK-NTO3-10-500-PADP**  
Encoder Cable NTO3 0.5m  
**ZK-NTO3-10-1000-S**  
Encoder Cable NTO3 1m  
**ZK-NTO3-10-1000-PADP**  
Encoder Cable NTO3 1m



### CAUTION



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

### DIMENSIONS (IN MM)

