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**E5** 

#### **E5**

#### **OPTICAL ENCODER**

#### **FEATURES AND BENEFITS**

- Best for NEMA 17, 23 & 34
- Single ended or differential output options
- 32 to 5,000 cycles per Revolution (CPR)
- 128 to 20,000 pulses per revolution (PPR)
- Positive finger-latching polarized connector
- Tracks from 0 to 720,000 cycles/sec (Dependent on CPR)
- Optional index (3rd channel)
- -40 to 100°C operating temperature (Operating temperature dependent on CPR)
- 2 year warranty

#### **PIN OUTS**

CYCLES PER SECOND
0 to 720,000 CPR Dependent
CYCLES PER REVOLUTION (CPR)
32 to 5,000
PULSES PER REVOLUTION (PPR)
128 to 20,000

### **CYCLES PER REVOLUTION (CPR)**

32	400	2048
50	500	2500
96	512	4000
100	540	4096
192	720	5000
200	900	
250	1000	
256	1024	
360	1250	
400	2000	

## **10-PIN DIFFERENTIALSTANDARD**

PIN	DESCRIPTION
1	Ground
2	Ground
3	Index -
4	Index+
5	A- Channel
6	A+ Channel
7	+5VDC power
8	+5VDC power
9	B- Channel
10	B+ Channel

## **10-PIN DIFFERENTIAL(L-OPTION)**

PIN	DESCRIPTION
1	No connection
2	+5VDC power
3	Ground
4	No connection
5	A- Channel
6	A+ Channel
7	B- Channel
8	B+ Channel
9	Index -
10	Index +

## **DIMENSION**

E5S - Single-Ended Optical Encoder



**ACCESSORIES** 

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4-PIN CONNECTORLin part # 090-00223



10-PIN CONNECTORLin part # 090-00226Use with E5 with the D output option(E5 with D Option)

## RECOMMENDED

Best for size 17, 23, and size 34



# Motion Control, Solved.

Motor Engineering and Manufacturing





Quick Prototype Turnaround



Small Batch to OEM Volume Production

