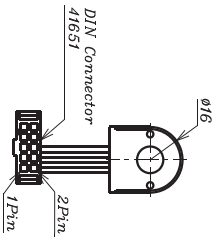
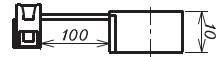
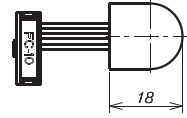




# Optical Encoder AM-EN16-T 003 Series

**ASSUN MOTOR**

2015 edition. Specifications are subject to change without notice.



## PARAMETERS

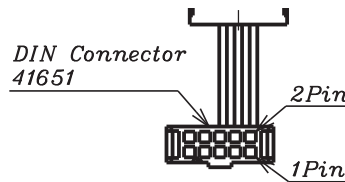
PARAMETERS/MODELS	AM-EN16-T360-003	AM-EN16-T720-003	AM-EN16-T1440-003	Max4000cpr
<b>DIAMETER</b>	16	16	16	
<b>PPR/TURN</b>	360	720	1440	
<b>MAX CHANNELS</b>	3	3	3	
<b>MAX WORKING FREQ. (KHz)</b>	60-100	60-1000	60-1000	
<b>DIRECTION SIGNAL</b>	NO	NO	NO	
<b>DRIVE</b> (Differential Output)	NO	NO	NO	

## INFORMATION

### TECHNICAL PARAMETERS

<b>POWER V<sub>CC</sub></b>	5V±5%
<b>V<sub>CC</sub>=5.0V SIGNAL</b>	TTL COMPATIBLE
<b>OPERATING TEMPERATURE</b>	-25-80°C
<b>INERTIA (Max)</b>	0.65g.cm <sup>2</sup>
<b>OUTPUT CURRENT</b> , each channel	1.5mA(max)

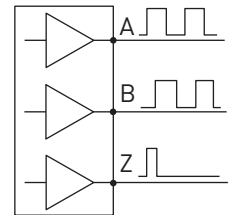
CONNECTOR: 41651 (Molex)



Definition

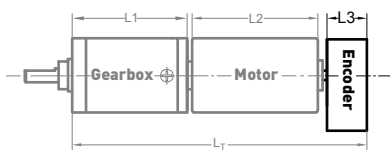
1. <b>NC</b>	2. <b>V<sub>CC</sub></b>
3. <b>A+</b>	4. <b>B+</b>
5. <b>GND</b>	6. <b>Z+</b>
7. <b>NC</b>	8. <b>NC</b>
9. <b>NC</b>	10. <b>NC</b>

CONNECTION DIAGRAM



## RECOMMENDED COMBINATION

### AM-EN16-T\*\*\*\* COMBINATION SCHEME



Recommend Gearbox:  
Planetary Gearbox:  
AM-16P  
AM-22P

Recommend Motor:  
BRUSHLESS Motor:  
AM-BL16\*\*\*A/B  
AM-BL20\*\*\*A/B

**TOTAL LENGTH (GEARBOX AND MOTOR): L<sub>T</sub> = L<sub>1</sub> + L<sub>2</sub> + L<sub>3</sub> (=10.0mm)**

L1:22P	L2: BL20	L1:16P	L2: BL16
22.4	40.0	17.9	40.0
27.5		21.8	
32.5		25.2	
37.5		28.6	
42.6		32.0	

For more motor and gearbox specs,  
see Assun Motor website.

Please tell us if there is vibration in application. Clients should pay attention to the integrity and reliability of the transmitted signal.

## REMARKS

Clients can choose gearbox and encoder to match with this motor. Some combinations are listed here for reference.

Motor Data Tested at 25°. Motor Operation exceeds continuous limits of operating range will compromise the life of the device.

**ASSUN MOTOR**

www.assunmotor.com | info@assunmotor.com