

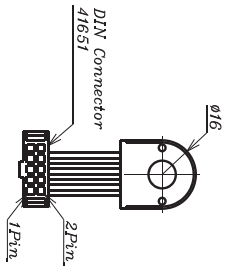
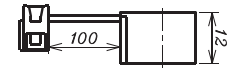
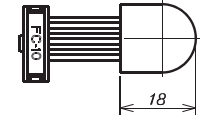


Optical Encoder AM-EN16-T 103 Series

ASSUN MOTOR

2015 edition. Specifications are subject to change without notice.

PARAMETERS



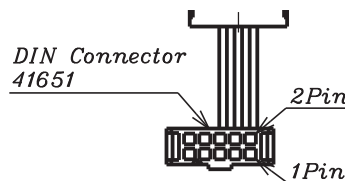
PARAMETERS/MODELS	AM-EN16-T360-103	AM-EN16-T720-103	AM-EN16-T1440-103	Max4000cpr
DIAMETER	16	16	16	
PPR/TURN	360	720	1440	
MAX CHANNELS	3	3	3	
MAX WORKING FREQ. (KHz)	60-100	60-1000	60-1000	
DIRECTION SIGNAL	NO	NO	NO	
DRIVE (Differential Output)	YES	YES	YES	

INFORMATION

TECHNICAL PARAMETERS

POWER V_{CC}	5V±5%
V_{CC}=5.0V SIGNAL	TTL COMPATIBLE
OPERATING TEMPERATURE	-25-80°C
INERTIA (Max)	0.65g.cm ²
OUTPUT CURRENT , each channel	1.5mA(max)

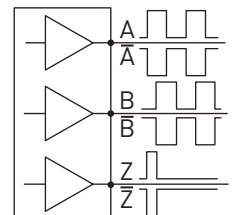
CONNECTOR: 41651 (Molex)



Definition

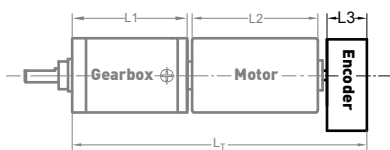
1. NC	2. V_{CC}
3. GND	4. NC
5. A-	6. A+
7. B-	8. B+
9. Z-	10. Z+

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_T = L₁ + L₂ + L₃ (=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