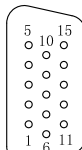


PIN	FUNCTION	
1	MOTOR U YELLOW	AWG20
2	MOTOR V RED	AWG20
3	MOTOR W BLACK	AWG20
4	MOTOR PE YELLOW/GREEN Shield	AWG20



Housing:H66L6-04P  
(2\*2)  
Terminal:T66L6-A

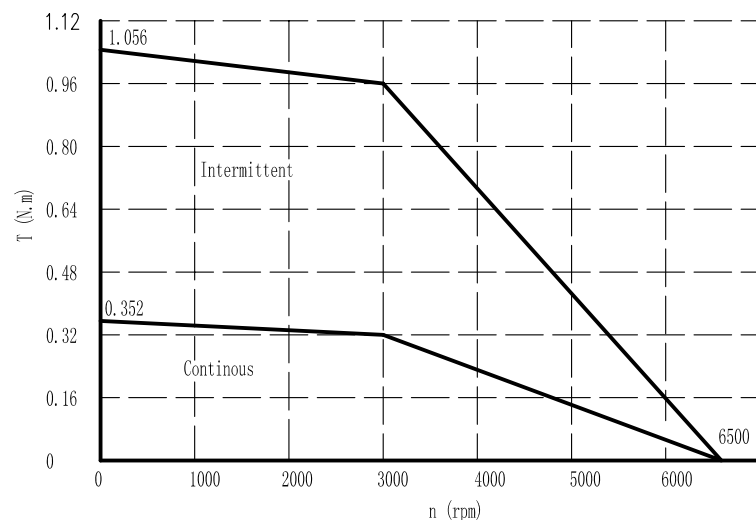
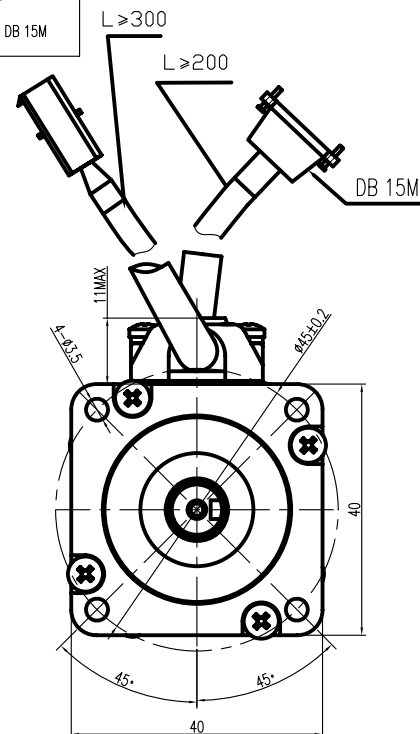
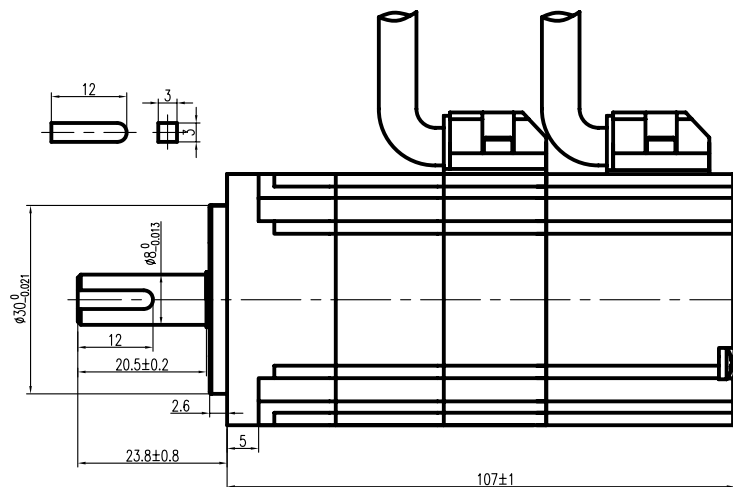
PIN	FUNCTION	COLOR		PIN	FUNCTION	COLOR	
1	VCC +5V	WHITE	AWG28	9	SD	BLUE	AWG28
2	GND	BLACK	AWG28	10	NC	NC	
3	shield			11	NC	NC	
4	VB	ORANGE	AWG28	12	NC	NC	
5	GND	BROWN	AWG28	13	NC	NC	
6	NC	NC		14	/SD	PURPLE	AWG28
7	NC	NC		15	NC	NC	
8	NC	NC					



DB 15M

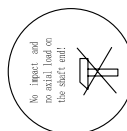
Connector Detail  
(Power Wire Cable diameter 6.5mm)

Connector Detail  
(Feedback Wire Cable diameter 6mm)

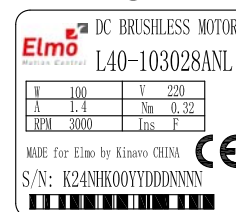


LABELS

①



②



REV	ECN NO.	DESCRIPTION	DRN	APP'D	DATE	DESIGN	DATE	P/N.	TITLE
									L40-103028ANL
UNLESS OTHERWISE SPECIFIED TOLERANCES			MATERIAL		CONTR.	CHECK	USED ON		
DECIMALS: .x ±0.5									
.xx ±0.25									
.xxx ±0.1									
UNIT: mm									
DO NOT SCALE DRAWING									
			FIRST ANGLE PROJECTION			SCALE	ELMO MOTOR		
						SHEET			
						OF			

## Technical Data

No. of poles	8	
DC Link Voltage $U_{dc}$ (DC Link)	300	
Rated Power $P_k$ (W)	100	
Rated Torque $T_n$ (N.m)	0.32	
Rated Speed $n_n$ (rpm)	3000	
Rated Current $I_n$ (A)	1.4	
Maximum torque $T_m$ (N.m)	0.96	
Maximum Current $I_m$ (A)	4.2	
Standstill torque $T_s$ (N.m)	0.352	
Standstill current $I_s$ (A)	1.54	
Resistance line-line $R_L$ ( $\Omega$ )	5.53	
Inductance line-line $L_L$ (mH)	6	
Electrical time constant $\tau_e$ (ms)	1.08	
Mechanical time constant $\tau_m$ (ms)	0.86	
Voltage constant $K_e$ (V/krpm)	14	
Torque constant $K_t$ (Nm/A)	0.265	
Rotor moment of inertia $J_m$ (Kg.cm <sup>2</sup> )	0.059	
Max. voltage rising $du/dt$ (KV/ $\mu$ s)	8	
Insulation class	F	
Max. radial force $F_r$ (N)	120	
Max. axial force $F_a$ (N)	60	
Weight(Kg)	0.7	
Feed back device	MAR-M40A-HN11 with M40 METAL DISK L-MT-1	
Temperature sensor	n.a.	
Cooling method	Totally enclosed non-ventilated	
protection level	IP64,shaft sealing IP54	
Environmental conditions	Temperature	-20 $\epsilon$ ~40 $\epsilon$
	Humidity	Below 90%RH (No dewing)
	Environment	Far away active gas,combustible gas,oil drop,ash.
	Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m
Rating conditions	Mounting	Aluminum flange 305x305x13mm
	Temperature	60K housing temperature ring at 40 $\epsilon$ ambient