

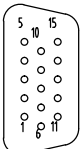
FUNCTION	COLOUR	
MOTOR U	YELLOW	AWG20
MOTOR V	RED	AWG20
MOTOR W BLACK	BLACK	AWG20
MOTOR PE	YELLOW/GREEN	AWG20



Housing:H66L6-04P
Terminal:T66L6-A

Connector Detail (Power Wire Cable diameter 6.5mm)

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



DB 15M

Connector Detail (Feedback Wire Cable diameter 5mm)

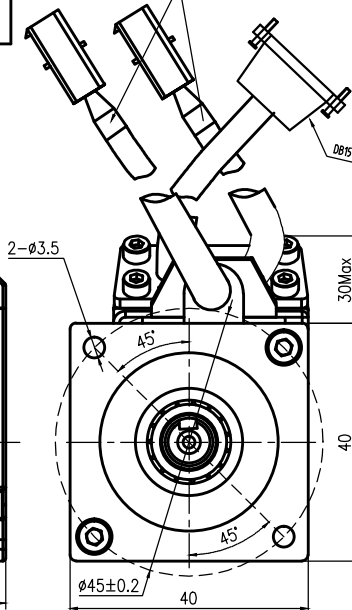
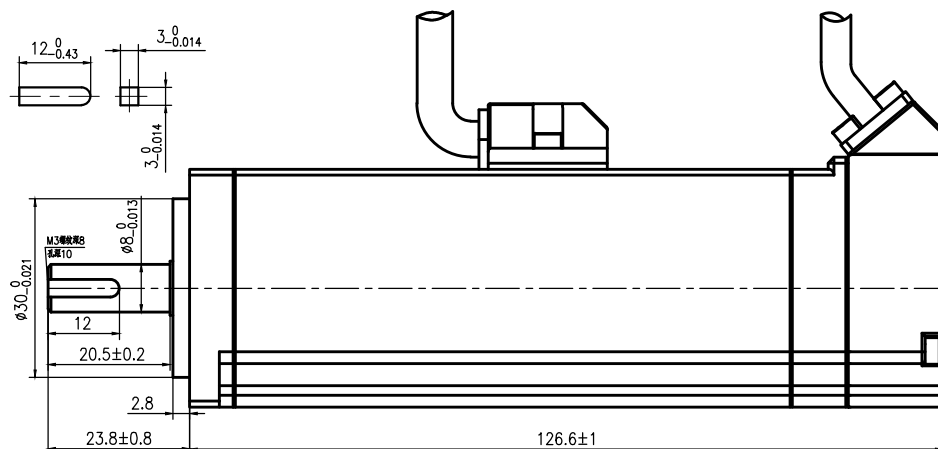
COLOUR	FUNCTION	
YELLOW	BRAKE(24V)+	AWG24
YELLOW	BRAKE(0V)-	AWG24



Housing:H66L6-02P
Terminal:T66L5-A

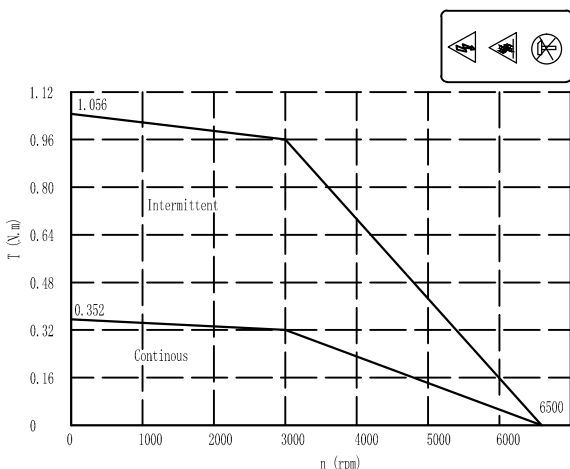
Connector Detail (Brake Wire Cable diameter 6mm)

L ≥ 300



Brake Data			
Mo	0.32Nm	Pw	5.9W
Voltage U _{bc}	24	Max speed	5000

Technical Data						
No. of poles				10		
DC Link Voltage U_{dc} (DC Link)				48		
Rated Power P_n (W)				100		
Rated Torque T_n (N.m)				0.32		
Rated Speed n_n (rpm)				3000		
Rated Current I_n (A)				3.2		
Maximum torque T_m (N.m)				0.96		
Maximum Current I_m (A)				9.6		
Standstill torque T_s (N.m)				0.352		
Standstill current I_s (A)				3.52		
Resistance line-line R_L (Ω)				1.5		
Inductance line-line L_L (mH)				1.9		
Electrical time constant τ_e (ms)				1.27		
Mechanical time constant τ_m (ms)				0.94		
Voltage constant K_e (V/(krpm))				7		
Torque constant K_t (Nm/A)				0.11		
Rotor moment of inertia J_m (Kg.cm ²)				0.046		
Max. voltage rising du/dt (KV/ μ s)				8		
Insulation class				F		
Max. radial force F_r (N)				120		
Max. axial force F_a (N)				60		
Weight(Kg)				0.77		
Feed back device				MAR-MX50AHN00		
Temperature sensor				n.a.		
Cooling method				Totally enclosed non-ventilated		
protection level				IP65,shaft sealing IP54		
Environmental conditions			Temperature	-20℃~40℃		
			Humidity	Below 90%RH (No dewing)		
			Environment	Far away active gas,combustible gas,oil drop,ash.		
Rating conditions			Installation altitude	UP TO 1000m:rated power, above 1000m:15% power decreasing per 100m,max.4000m		
			Mounting	Aluminum flange 175x200x10mm		
			Temperature	60K housing temperature ring at 40℃ ambient		
			DESIGN	DATE	P/N.	
DRN	APP'D	DATE	ZZB	20190114	TITLE	
CONTR.		CHECK			Outside Drawing	
		YJL	20190114	USED ON		
		APPD		DWG NO.		L40-1030A10ABL
		SL	20190114			
ANGLE PROJECTION			SCALE		ELMO MOTOR	
			SHEET OF			



Elmo DC BRUSHLESS MOTOR
L40-1030A10ABL

W 100	V 48
A 3.2	Nm 0.32
RPM 3000	Ins F IP 65

Holding brake:24V_{DC} M=0.32Nm
MADE for Elmo by Kinavo CHINA
S/N: *****KYDDDDNNNN
E505281

REV	DESCRIPTION	REV	ECN NO.	DESCRIPTION	DRN	APP'D	DATE	DESIGN	DATE	P/N.
								ZZB	20190114	
				UNLESS OTHERWISE SPECIFIED				CHECK		TITLE
				TOLERANCES:				YJL	20190114	USED ON
				DECIMALS:				APPD		L40-1030A10ABL
				.x ±0.5				SL	20190114	DWG NO.
				.xx ±0.25						REV
				.xxx ±0.1						V2.0
				UNIT: mm				SCALE		
				DO NOT SCALE DRAWING				SHEET	OF	
										ELMO MOTOR