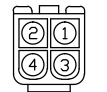


PIN	FUNCTION	WIRE GAGE
1	BRAKE (+) RED	24AWG
2	BRAKE (-) BLUE	



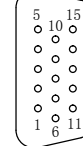
Connector Detail (Brake Wire)
Brake Wire Cable diameter 6mm

PIN	FUNCTION	WIRE GAGE
1	MOTOR U YELLOW	18AWG
2	MOTOR V RED	
3	MOTOR W BLACK	
4	MOTOR PE ± YELLOW/GREEN Shield	

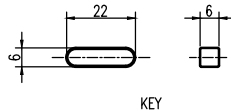


Connector Detail (Power Wire)
Power Wire Cable diameter 7.5mm

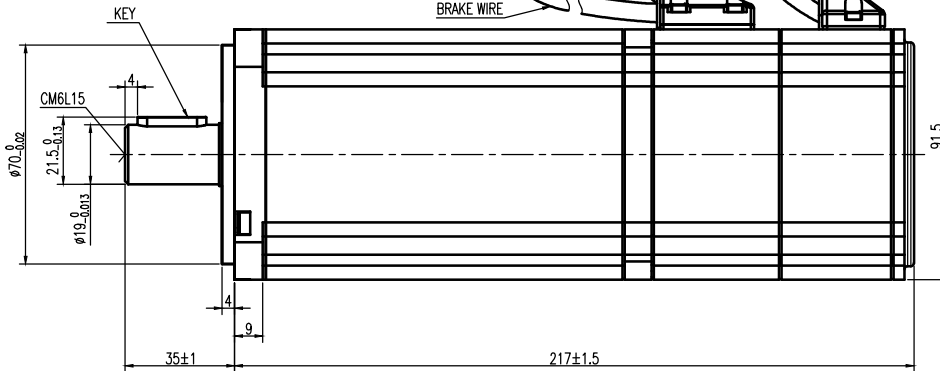
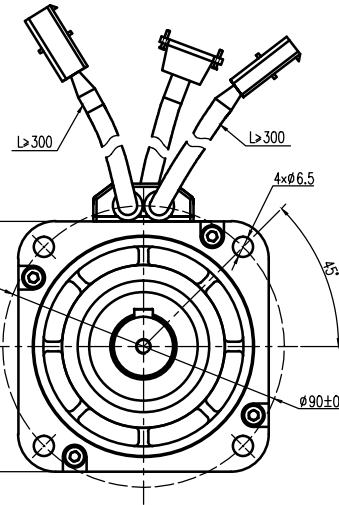
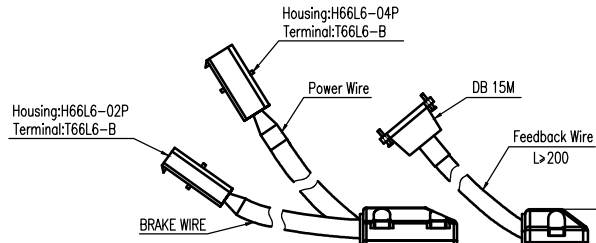
PIN	FUNCTION	COLOR	WIRE GAGE	PIN	FUNCTION	COLOR	WIRE GAGE
1	VCC +5V	WHITE	28AWG	9	SD	BLUE	28AWG
2	GND	BLACK		10	NC	NC	
3	Shield	Shield	28AWG	11	NC	NC	DB 15M
4	VB	ORANGE		12	NC	NC	
5	GND	BROWN		13	NC	NC	
6	NC	NC		14	/SD	PURPLE	
7	NC	NC	15	NC	NC		
8	NC	NC					



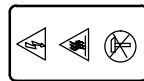
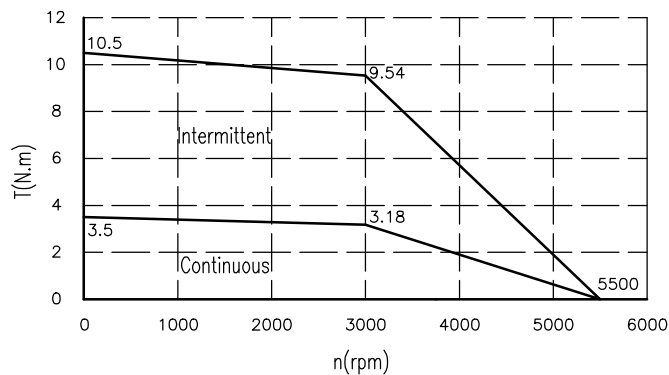
Connector Detail (Feedback Wire)
Feedback Wire Cable diameter 6mm



KEY



Performance Curve



Elmo DC BRUSHLESS MOTOR
L80-1003026ABL

W 1000	V 300
A 6.2	Nm 3.18
RPM 3000	Ins F IP65
Holding brake: 24V _{DC} M=3.2Nm	

MADE for Elmo by Kinavo CHINA
S/N: 307011335KYYDDDDNNNN

CE, UL, E505281

Brake Data

Static friction	3.2N.m
Voltage	24VDC
Power	11.5w

Technical Data

No. of poles	6
DC Link Voltage U _{dc} (DC Link)	300
Rated Power P _n (W)	1000
Rated Torque T _n (N.m)	3.18
Rated Speed n _n (rpm)	3000
Rated Current I _n (A)	6.2
Maximum torque T _m (N.m)	9.54
Maximum Current I _m (A)	18.6
Standstill torque T _s (N.m)	3.5
Standstill current I _s (A)	6.82
Resistance line-line R _l (Ω)	0.86
Inductance line-line L _l (mH)	4.5
Electrical time constant τ _e (ms)	5.23
Mechanical time constant τ _m (ms)	0.86
Voltage constant K _v (V/krpm)	34
Torque constant K _t (Nm/A)	0.562
Rotor moment of inertia J _m (Kg.cm ²)	1.862
Max. voltage rising du/dt(KV/μs)	8
Insulation class	F
Max. radial force Fr(N)	335
Max. axial force Fa(N)	167.5
Weight(Kg)	4.6
Feed back device	MAR-H50A-HN20
Temperature sensor	n.a.
Cooling method	Totally enclosed non-ventilated
protection level	IP65,shaft sealing IP54

Environmental conditions	Temperature	-20°C~40°C
	Humidity	Below 90%RH (No dewing)
	Environment	For away active gas,combustible gas,oil drop,ash.
Rating conditions	Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m
	Mounting	Aluminum flange 255x255x6mm
	Temperature	60K housing temperature ring at 40°C ambient

REV	Description of Change	REV	ECN NO.	DRN	APP'D	DATE	DESIGN	DATE	P/N.
V2.0	Change in DC bus voltage Add the wires gage for all wires Add the cable diameter to all cables Add the sign of CE Add the sign of aganist knock lable						VJL	2019-1-30	307011335SS
			UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .x ±0.5 .xx ±0.25 .xxx ±0.1 UNIT: mm DO NOT SCALE DRAWING				CHECK		Outside Drawing
							APPD	2019-1-30	L80-1003026ABL
							SL	2019-1-30	DWG NO.
									REV V2.0
									ELMO MOTOR