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

Housing:H66L6-02P
Terminal:T66L6-B

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

PIN	FUNCTION	WIRE GAGE
1	MOTOR U YELLOW	16AWG
2	MOTOR V RED	
3	MOTOR W BLACK	
4	MOTOR PE ⏚ YELLOW/GREEN Shield	

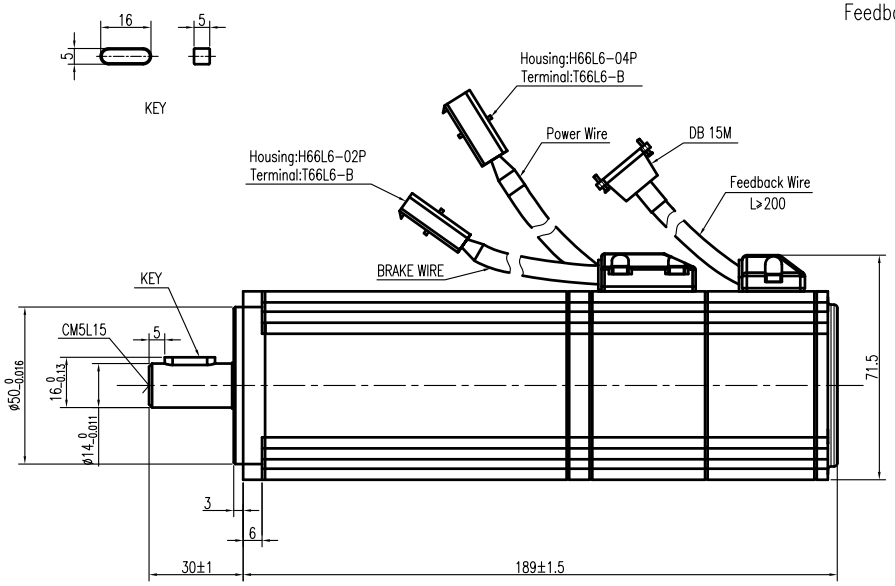
Housing:H66L6-04P
Terminal:T66L6-B

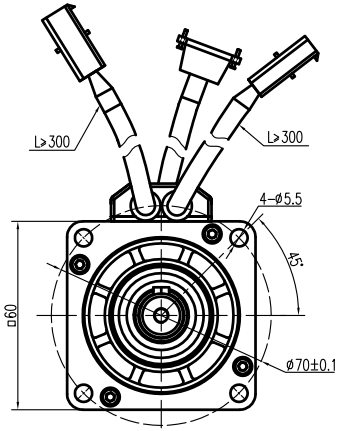
Connector Detail (Power Wire)
Power Wire Cable diameter 8.1mm

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		11	NC	NC	
4	VB	ORANGE	28AWG	12	NC	NC	
5	GND	BROWN		13	NC	NC	
6	NC	NC		14	/SD	PURPLE	28AWG
7	NC	NC		15	NC	NC	
8	NC	NC					

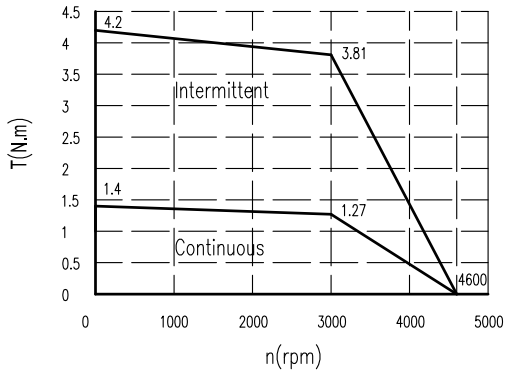
DB 15M

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





Performance Curve



Elmo
Motion Control

DC BRUSHLESS MOTOR
L60-4030A6ABL

W 400	V 48	
A 12.1	Nm 1.27	
RPM 3000	Ins F	IP65
Holding brake:24V_{DC} M=1.3Nm		

MADE for Elmo by Kinavo CHINA
S/N: 307011325KYYDDDNNNN
E505281

Brake Data	
Static friction	1.3N.m
Voltage	24VDC
Power	11.2w

Tecnical Data

No. of poles		6
DC Link Voltage U_{DC} (DC Link)		48
Rated Power P_N(W)		400
Rated Torque T_N(N.m)		1.27
Rated Speed n_N(rpm)		3000
Rated Current I_N(A)		12.1 (V1.)
Maximum torque T_m(N.m)		3.81
Maximum Current I_m(A)		36.3
Standstill torque T_S(N.m)		1.4
Standstill current I_S(A)		13.3
Resistance line-line R_L(Ω)		0.2
Inductance line-line L_L(mH)		0.4
Electrical time constant τ_e(ms)		2
Mechanical time constant τ_m(ms)		1.25
Voltage constant K_e(V/krpm)		7
Torque constant K_t(Nm/A)		0.116
Rotor moment of inertia Jm (Kg.cm^2)		0.483
Max. voltage rising du/dt(KV/μs)		8
Insulation class		F
Max. radial force Fr(N)		180
Max. axial force Fa(N)		90
Weight(Kg)		2.3
Feed back device		MAR-H50A-HN20
Temperature sensor		n.a.
Cooling method		Totally enclosed non-ventilated
protection level		IP65,shaft sealing IP54
Evironmental conditions	Temperature	-20℃~40℃
	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 255x255x6mm
	Temperature	60K housing temperature ring at 40℃ ambient

REV	Description of Change
(b)	Change brake power from 7.2W to11.2W
(c)	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
(V1.)	Rated Current ,Maximum Current, Standstill Current has been changed

REV	ECN NO.	DRN	APP'D	DATE

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
DECIMALS: ANGULAR:
.x ±0.5 ±0°30'
.xx ±0.25
.xxx ±0.1
UNIT: mm
DO NOT SCALE DRAWING

MATERIAL
CONTR.

FIRST ANGLE PROJECTION

DESIGN	WYD	19-1-18
CHECK	LS	19-1-18
APPD	SL	19-1-18
SCALE		
SHEET	OF	

P/N.	307011325SS
TITLE	Outside Drawing
USED ON	L60-4030A6ABL
DWG NO.	REV V2.0

ELMO MOTOR

A