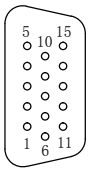
PIN	FUNCTION	COLOR	WIRE GAGE
1	MOTOR U	YELLOW	18AWG
2	MOTOR V	RED	
3	MOTOR W	BLACK	
4	MOTOR PE ⏚	YELLOW/GREEN Shield	

Housing:H66L6-04P
Terminal:T66L6-B

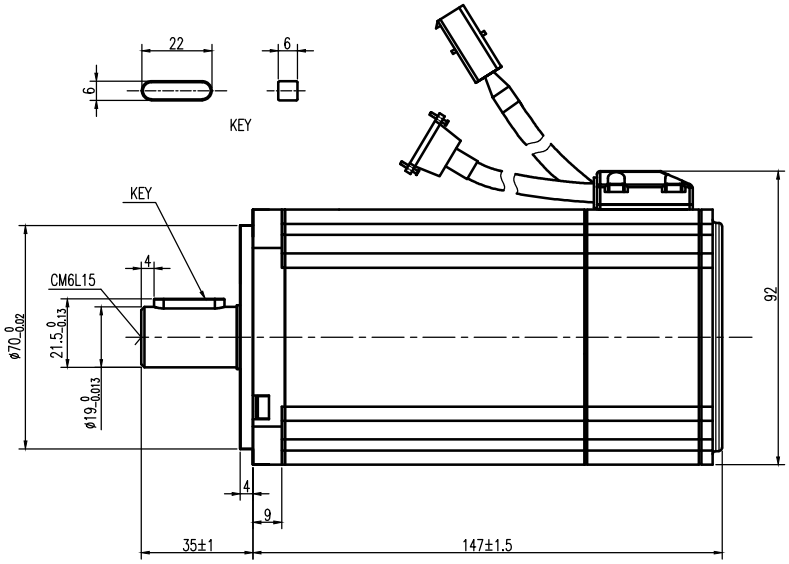
Connector Detail (Power Wire)
Power Wire Cable diameter 7.5mm

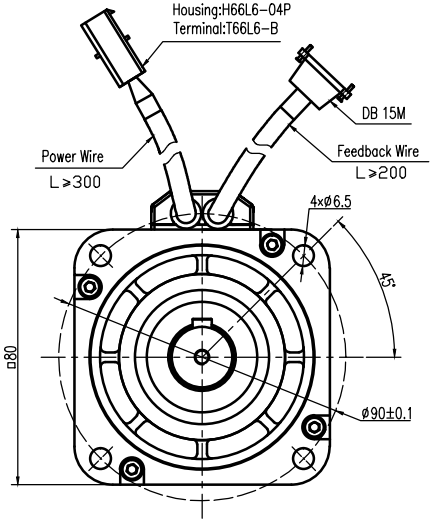
PIN	FUNCTION	COLOR	WIRE GAGE	PIN	FUNCTION	COLOR	WIRE GAGE
1	VCC +5V	WHITE	28AWG	9	SD	BLUE	28AWG
2	GND	BLACK		10	NC	NC	
3	Shield	Shield		11	NC	NC	
4	VB	ORANGE	28AWG	12	NC	NC	
5	GND	BROWN		13	NC	NC	
6	NC	NC		14	/SD	PURPLE	28AWG
7	NC	NC		15	NC	NC	
8	NC	NC					



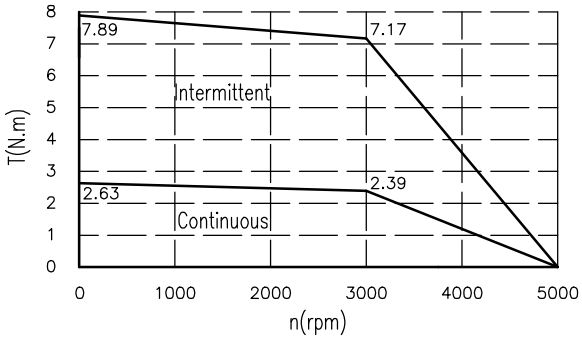
DB 15M

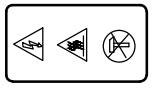
Connector Detail (Feedback Wire)
Feedback Wire Cable diameter 6mm





Performance Curve





Elmo Motion Control

DC BRUSHLESS MOTOR
L80-753026ANL

W	750	V	300
A	3.9	Nm	2.39
RPM	3000	Ins F	IP65

MADE for Elmo by Kinavo CHINA
S/N: 307011332KYYDDDNNNN

CE V2.0
c UL us
E505281

Tecnical Data

No. of poles	6
DC Link Voltage U_{DC} (DC Link)	300
Rated Power P_N(W)	750
Rated Torque T_N(N.m)	2.39
Rated Speed n_N(rpm)	3000
Rated Current I_N(A)	3.9
Maximum torque T_m(N.m)	7.17
Maximum Current I_m(A)	11.7
Standstill torque T_S(N.m)	2.63
Standstill current I_S(A)	4.3
Resistance line-line R_L(Ω)	1.4
Inductance line-line L_L(mH)	7.5
Electrical time constant τ_e(ms)	5.36
Mechanical time constant τ_m(ms)	0.75
Voltage constant K_e(V/krpm)	40
Torque constant K_t(Nm/A)	0.662
Rotor moment of inertia Jm (Kg.cm^2)	1.36
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)	3.3
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℃
Evironmental conditions — Humidity	Below 90%RH (No dewing)
Evironmental conditions — Environment	Far away active gas,combustible gas,oil drop,ash.
Evironmental conditions — Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m
Rating conditions — Mounting	Aluminum flange 255x255x6mm
Rating conditions — Temperature	60K housing temperature ring at 40℃ ambient

REV	Description of Change
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

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	YJL	2019-1-30
CHECK	ZZB	2019-1-30
APPD	SL	2019-1-30
SCALE		
SHEET	OF	

P/N.	307011332SS
TITLE	Outside Drawing
USED ON	L80-753026ANL
DWG NO.	REV V2.0

ELMO MOTOR

A