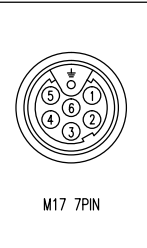


V2.0

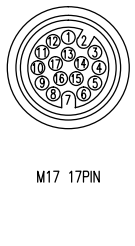
PIN	FUNCTION	COLOR	WIRE GAGE
1	MOTOR U	YELLOW	18AWG
2	MOTOR V	RED	
3	MOTOR W	BLACK	
4	Brake	BLACK	24AWG
5	Brake	BLACK	
6	NC	NC	
±	MOTOR PE ±	YELLOW/GREEN	18AWG



M17 7PIN

Connector Detail (Power Wire)

PIN	FUNCTION	COLOR	WIRE GAGE	PIN	FUNCTION	COLOR	WIRE GAGE
1	DC +5V	RED	28AWG	10	/U	BROWN	28AWG
2	GND	BLACK		11	V	WHITE/BLACK	
3	A	BLUE/BLACK		12	/V	WHITE	
4	/A	BLUE		13	Shield	Shield	
5	B	GREEN		14	Z	YELLOW	
6	/B	GREEN/BLACK		15	/Z	YELLOW/BLACK	
7	KTY(+)	RED	26AWG	16	W	GRAY/BLACK	28AWG
8	KTY(-)	BLACK		17	/W	GRAY	
9	U	BROWN/BLACK	28AWG				



M17 17PIN

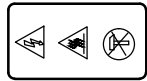
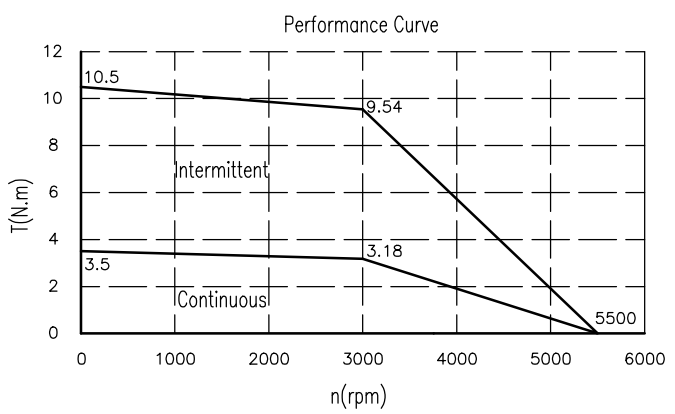
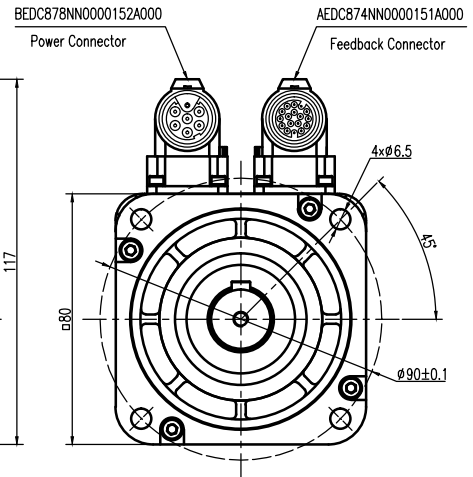
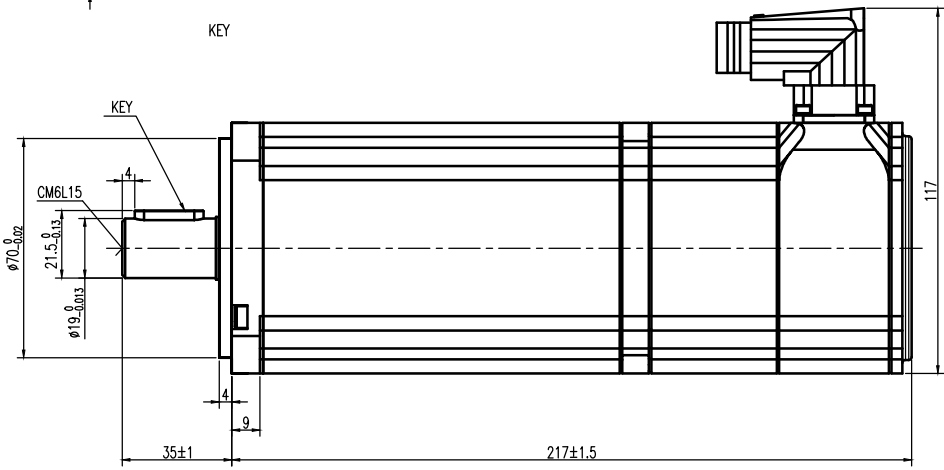
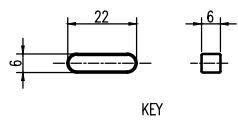
Connector Detail (Feedback Wire)

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_e (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/ μ s)	8	
Insulation class	F	
Max. radial force F_r (N)	335	
Max. axial force F_a (N)	167.5	
Weight(Kg)	4.6	
Feed back device	2500p/rev incremental encoder TS6014N115	
Temperature sensor	KTY84-130	
Cooling method	Totally enclosed non-ventilated	
protection level	IP65,shaft sealing IP54	
Environmental conditions	Temperature	-20 \pm 40 \circ C
	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:1.5% power decreasing per 100m,max.4000m
	Mounting	Aluminum flange 255x255x6mm
	Temperature	60K housing temperature ring at 40 \circ C ambient



Elmo DC BRUSHLESS MOTOR
L80-1003026EBC

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: 307011271KYDDDDNNNN

CE
C RU US
E505281

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	307011271SS
							CHECK	2019-1-30	Outside Drawing
							APPD		L80-1003026EBC
							SL	2019-1-30	DWG NO. REV
									V2.0
							FIRST ANGLE PROJECTION	SCALE	ELMO MOTOR
								SHEET OF	