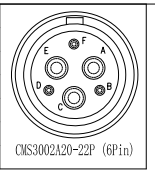
PIN	Colour	Function
A	Yellow	U
B	NC	NC
C	Black	W
D	NC	NC
E	Red	V
F	YEL/GRN	PE

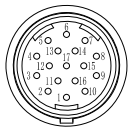


CMS3002A20-22P (6Pin)

V1.4

Connector Detail (Power Wire)

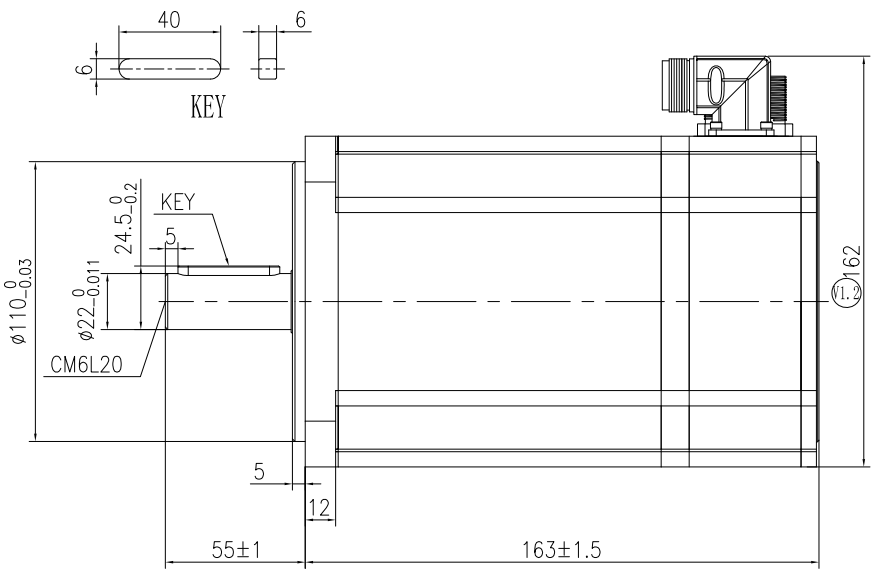
Pin	Fuction	COLOR	Pin	Fuction	COLOR
1	DC+5V	RED	10	/U	BROWN
2	GND	BLACK	11	V	WHITE/BLACK
3	A	BLUE/BLACK	12	/V	WHITE
4	/A	BLUE	13	NC	
5	B	GREEN	14	Z	YELLOW
6	/B	GREEN/BLACK	15	/Z	YELLOW/BLACK
7	NC		16	W	GRAY/BLACK
8	NC		17	/W	GRAY
9	U	BROWN/BLACK			

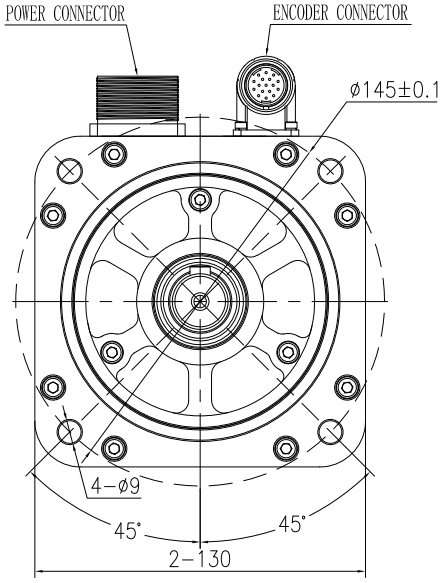


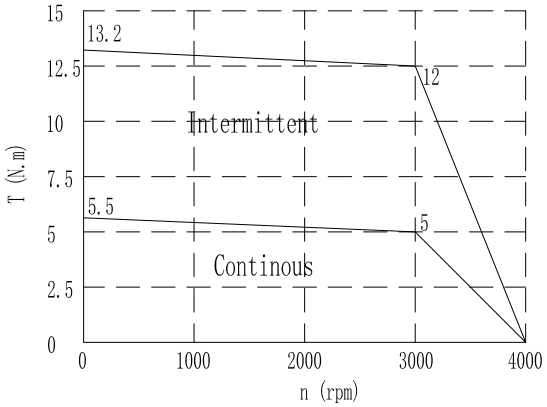
HF01817(17 pin)

V1.4

Connector Detail (Encoder Wire)







Tecnical Data	
No. of poles	8
DC Link Voltage UDC (DC Link)	48
Rated Power PN (W)	1500
Rated Torque TN (N.m)	5
Rated Speed nN (rpm)	3000
Rated Current IN (A)	37.4
Maximum torque Tm (N.m)	12.5
Maximum Current Im (A)	93.5
Standstill torque Ts (N.m)	5.5
Standstill current Is (A)	39.2
Resistance line-line RL (Ω)	0.021
Inductance line-line LL (mH)	0.161
Electrical time constant τe (ms)	7.67
Mechanical time constant τm (ms)	2.53
Voltage constant Ke (V/krpm)	7.98
Torque constant Kt (Nm/A)	0.132
Rotor moment of inertia Jm (Kg.cm²)	12
Max. voltage rising du/dt(KV/μs)	8
Insulation class	F
Max. radial force Fr(N)	900
Max. axial force Fa(N)	450
Weight(Kg)	7.5
Feed back device	2500p/rev incremental encoder
	OIH48-TS5214N8566
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 457x457x12.7mm
Rating conditions — Temperature	60K housing temperature ring at 40℃ ambient

V1.3

V1.4	KA210333	LSJ	LS	2021-11-01	DESIGN	DATE	P/N.	9.6956SS
REV	ECN NO.	DRN	APP'D	DATE	YJL	2018.8.15	TITLE	Outside Diagram
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .x ±0.5 .xx ±0.25 .xxx ±0.1 ANGULAR: ±0°30' UNIT: mm DO NOT SCALE DRAWING		MATERIAL	CONTR.		CHECK	2018.8.15	USED ON	SMC130D-0150-30AAK-4DKR
					ZZB			
					APPD		DWG NO.	REV V1.4
		FIRST ANGLE PROJECTION			SL	2018.8.15		
					SCALE		Kinco	
					SHEET OF			