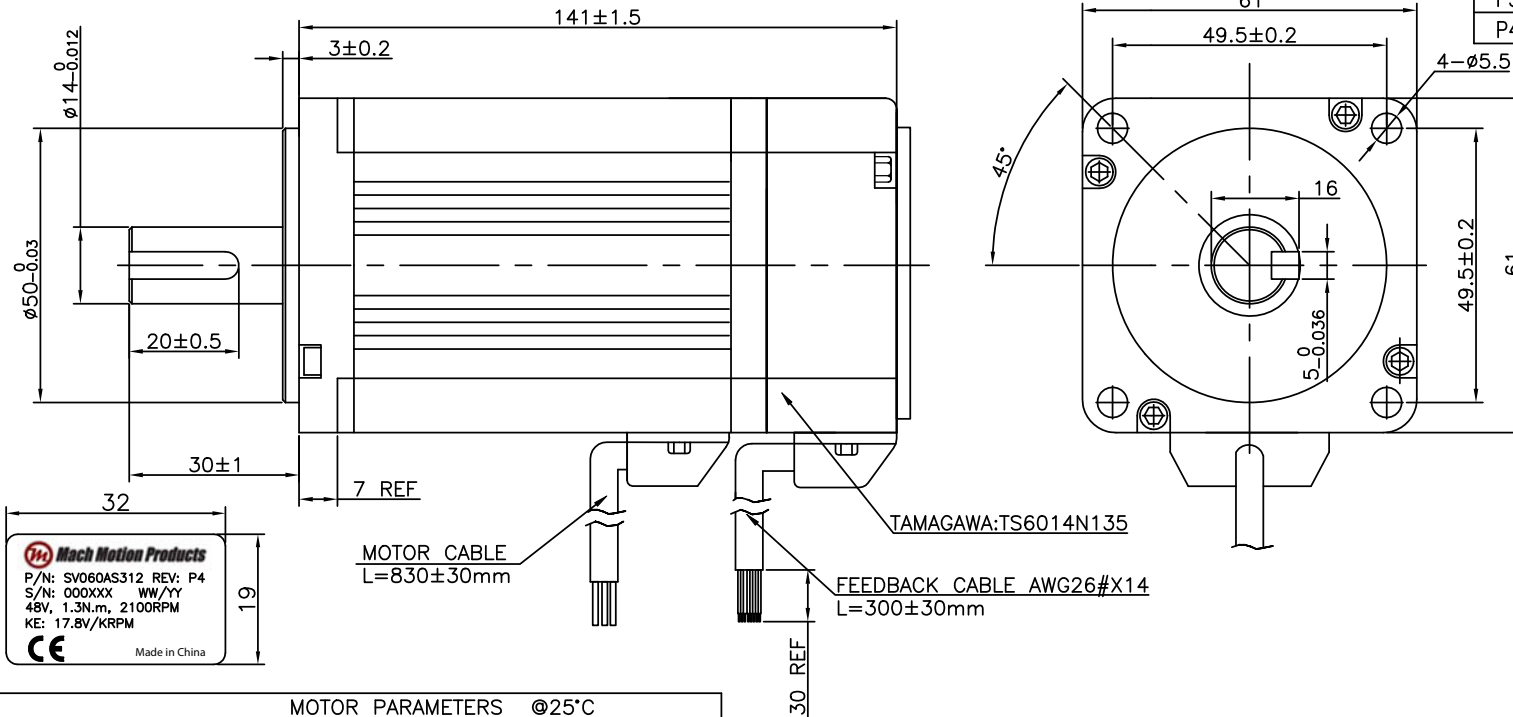
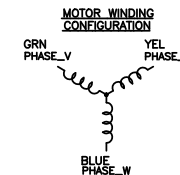
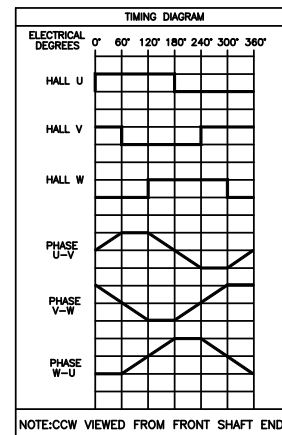


REV	DESCRIPTION	DATE	APPROVE
P1	PRELIMINARY	19/01/23	WDP
P2	ADD PHASE SEQUENCE FIGURE	19/07/12	WDP
P3	PRELIMINARY	20/09/30	WDP
P4	PRELIMINARY	20/04/22	WDP



ENCODER SPECIFICATION	
VOLTAGE	+5VDC±5%
CURRENT	<60mA
FREQUENCY	0~300khz
TEMPERATURE	-30~105°C
ENCODER	2500PPR
OUTPUT WAVEFORMS	
ROTATION:CCW AS VIEWED FROM SHAFT END	

MOTOR PARAMETERS @25°C		
	UNITS	
Supply Voltage(reference) (Vs)	VDC	48
Rated Continuous Torque (Tcr)	Nm	1.30
Rated Speed at Cont.Torque (Scr)	R.P.M.	2100
Rated Continuous Stall Current (Ics)	A	7.0
Rated Continuous Output Power (Po.c)	W	290
Motor Constant (Km)	Nm/√w	0.1408
Torque Constant (KT)	Nm/A	0.18
Voltage Constant (KE)	V/krpm	17.8
Terminal Resistance (Rmt)	ohms	0.86
Inductance (L)	mH	1.0
Rated Peak Current (Ipr)	A	21
Rated Peak Torque (Tpr)	Nm	3.9
Coulomb Friction Torque (If)	Nm	0.025
Insulation Class		F
Rotor Inertia (Jr)	Kg.m <sup>2</sup>	2.9E-05
Motor Weight (Wm)	Kg	1.54
Feedback Device		2500p/rev
Motor Length (Lm)	mm	141



MOTOR CONNECTIONS	
COLOR	SIGNAL
YEL	U
GRN	V
BLUE	W
YEL/GRN	GND

NOTE: THIS DRAWING HAS BEEN CREATED BY AUTOCAD. MANUAL REVISIONS ARE NOT ALLOWED.

MATERIAL		TOLERANCE UNLESS OTHERWISE SPECIFIED ISO 2768-1 MEDIUM			
DRAWN XXX	CHECKED XXX	APPROVED - DATE	FILENAME N/A	DATE XXX	SCALE N/A
		BRUSHLESS SERVO MOTOR			
		SV060AS312			
					SHEET 1/1

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