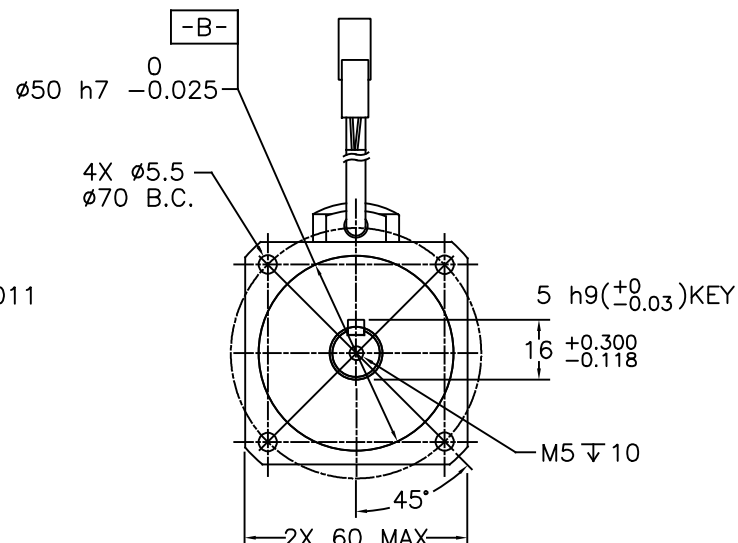
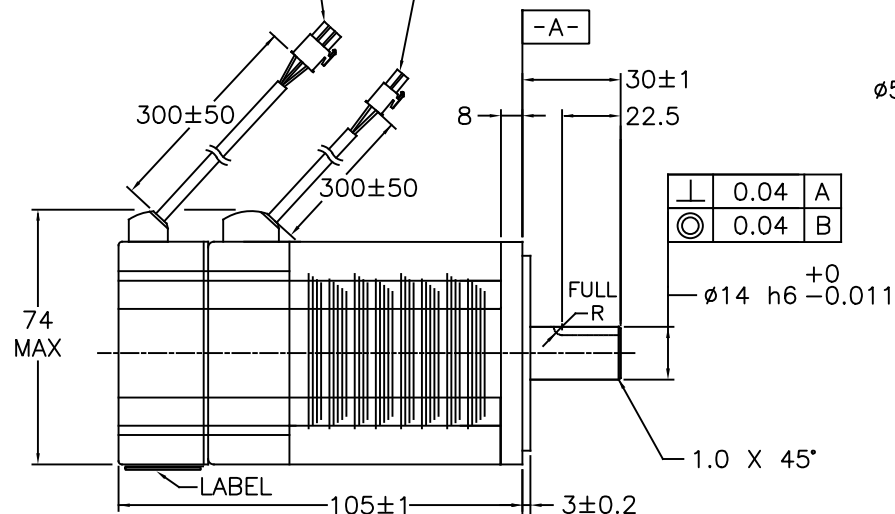
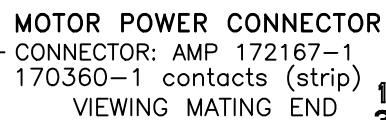
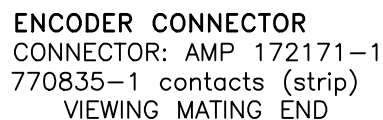
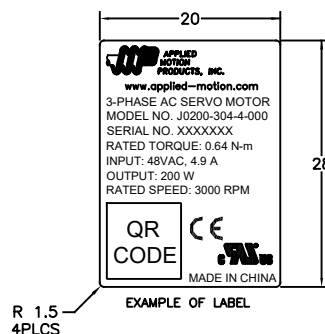




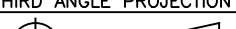
PIN	LEAD COLOR	SIGNAL
1	RED	+5V
2	BLACK	GROUND
3	BROWN	U+
4	BROWN/BLACK	U-
5	GRAY	V+
6	GRAY/BLACK	V-
7	WHITE	W+
8	WHITE/BLACK	W-
9	BLUE/BLACK	A+
10	BLUE	A-
11	GREEN	B+
12	GREEN/BLACK	B-
13	YELLOW	Z+
14	YELLOW/BLACK	Z-
15	SHIELD	SHIELD

PIN	LEAD COLOR	SIGNAL
1	RED	PHASE U
2	YELLOW	PHASE V
3	BLUE	PHASE W
4	YELLOW/GREEN	GROUND



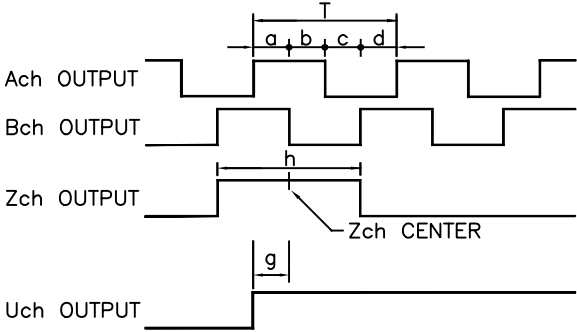
NOTES: UNLESS OTHERWISE SPECIFIED

1. A SHAFT SEAL IS SHIPPED WITH MOTOR, BUT NOT INSTALLED.
2. TIMING LOGIC IS CCW AS VIEWED FROM FRONT SHAFT.
3. MOTOR IS IP65, EXCEPT SHAFT OPENING AND CABLE CONNECTOR.
4. INSTALL INDOORS, AWAY FROM DIRECT SUNLIGHT AND FLAMMABLE GASES.
5. 1000M MAX ALTITUDE.

TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC.		
DECIMALS: MM (INCH) X.XXX= ±0.013 (.005) X.XX = ±0.25 (.01) X.X = ±2.5 (.1)				AC SERVO MOTOR		
ANGLES: MACH. = ±5° CHAM. = ±5°						
APPROVALS		DATE		B	DWG NO. J0200-304-4-000	REV F
DRAWN C.BREUNINGER		11/03/23				
CHECKED						
APPROVED P. MERRINO		11/03/23		SCALE: NONE		
COMPUTER DATA BASE DRAWING				SHEET 1 OF 2		

AC SERVMOTOR SPECIFICATION – PERMANENT MAGNET 8 POLES		
INPUT POWER SUPPLY	VDC	48
RATED OUTPUT	W	200
VOLTAGE CONSTANT	V(rms)/K(rpm)±10%	7.9
RATED WINDING CURRENT	A (rms)	5.2
PEAK WINDING CURRENT	A (rms)	15.6
WINDING RESISTANCE	Ω ±10%@20°C	0.67 LINE-TO-LINE
WINDING INDUCTANCE	mH ±20%	2 LINE-TO-LINE
RATED TORQUE	Nm(kgf-cm)	0.64(6.52)
PEAK TORQUE	Nm(kgf-cm)	1.9(19.37)
TORQUE CONSTANT	Nm/A(rms)±10%	0.125
RATED SPEED	rpm/min	3000
MAXIMUM SPEED	rpm/min	6000
WEIGHT	KG (LBS)	1.1(2.3)
INSULATION CLASS		B 130°C
ENCODER RESOLUTION		2500 LINES/REV.
SHAFT LOAD – AXIAL	N(MAX)	70 N/15LB
SHAFT LOAD – RADIAL	N(MAX)	200 N/45LB
MOTOR RATING	REF NOTE 3	IP65
AMBIENT TEMPERATURE	OPERATING	0 TO 40C°
AMBIENT TEMPERATURE	STORAGE	-20 TO 80C°
AMBIENT HUMIDITY MAX		85%
INERTIA – WITH ENCODER	kg m²	0.0000165

TIMING LOGIC / ENCODER SIGNALS

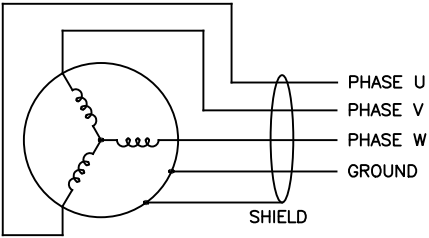
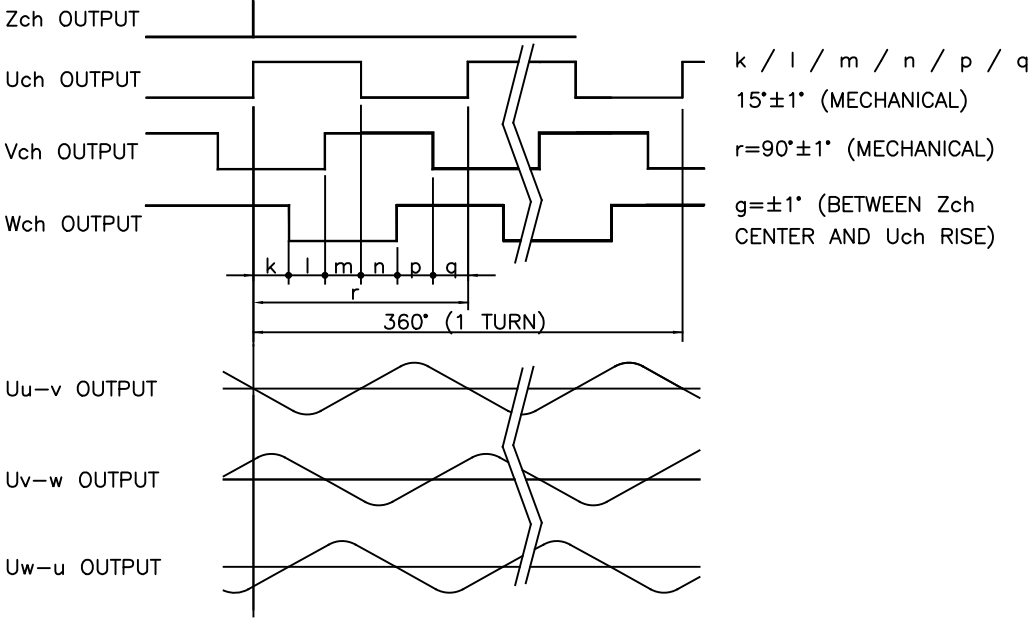


$$T = \frac{360 \text{ DEGREES}}{2500C/T}$$

$$a, b, c, d = T/4 \pm T/8$$

$$h = T \pm T/2$$

TIMING LOGIC / ENCODER SIGNALS (NOT TO SAME SCALE AS OTHER DETAIL)



CONTRACT NO.				
APPROVALS	DATE	SERVO MOTOR SPECIFICATIONS		
DRAWN C. BREUNINGER	11/03/23			
CHECKED		B		
APPROVED E. MERINO	11/03/23			
APPROVED		SCALE: NONE	DWG NO. J0200-304-4-000	REV F
		SHEET 2 OF 2		