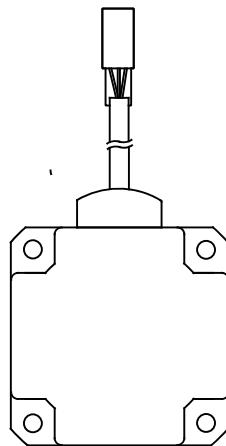
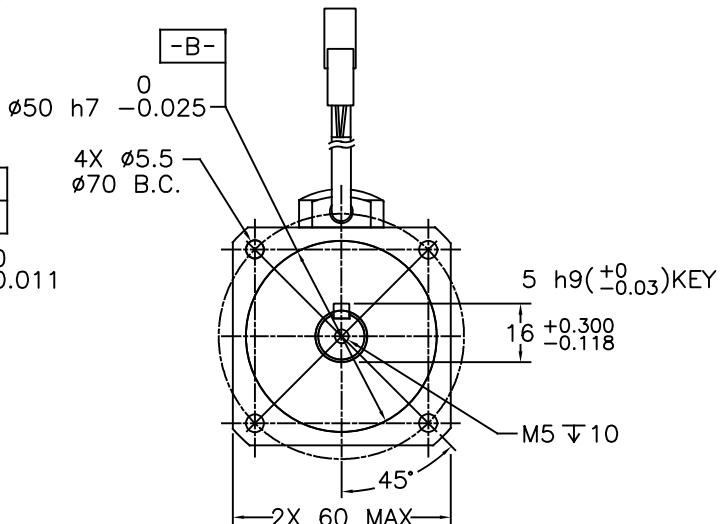
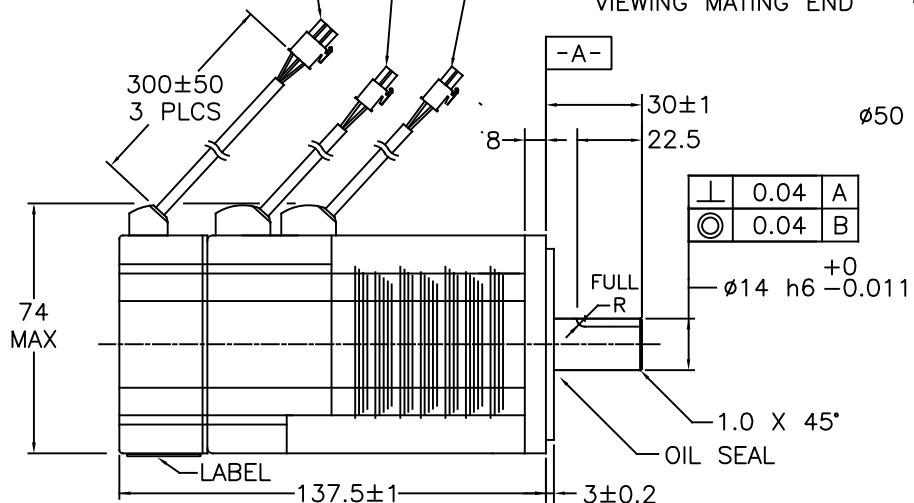


**ENCODER CONNECTOR**  
CONNECTOR: AMP 172171-1  
770835-1 contacts (strip)  
VIEWING MATING END



**BRAKE CONNECTOR**  
CONNECTOR: AMP 172165-1  
170360-1 contacts (strip)  
VIEWING MATING END

**MOTOR POWER CONNECTOR**  
CONNECTOR: AMP 172167-1  
170360-1 contacts (strip)  
VIEWING MATING END



#### ENCODER CONNECTION TABLE

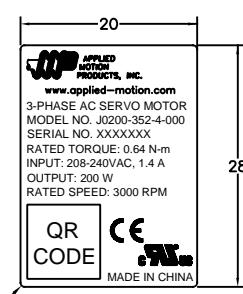
PIN	LEAD COLOR	SIGNAL
1	RED	+5V
2	BLACK	GROUND
3	BROWN	U+
4	BROWN/BLACK	U-
5	GRAY	V+
6	GRAY/BLACK	V-
7	WHITE	W+
8	WHITE/BLACK	W-
9	BLUE/BLACK	A+
10	BLUE	A-
11	GREEN	B+
12	GREEN/BLACK	B-
13	YELLOW	Z+
14	YELLOW/BLACK	Z-
15	SHIELD	SHIELD

#### MOTOR CONNECTION TABLE

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

#### BRAKE CONNECTION TABLE

TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.
DECIMALS: MM (INCH)	ANGLES:	APPROVALS	DATE	
X.XXX = ±0.013 (.005)	MACH. = ±.5°	DRAWN R.JONEZ	5/22/14	
X.XX = ±0.25 (.01)	CHAM. = ±5°	CHECKED		
X.X = ±2.5 (.01)				
		COMPUTER DATA BASE DRAWING	APPROVED	
				SCALE: NONE
				HEET 1 OF 2



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, FLAMMABLE AND CORROSIVE GASES.  
 5. 1000M MAX ALTITUDE.  
 6. BRAKE RELEASES WHILE ENERGIZED, DO NOT ENGAGE WHILE MOTOR IS ROTATING.  
 BRAKE POWER IS NOT POLARITY SENSITIVE. THIS IS A HOLDING BRAKE.

APPLIED MOTION  
PRODUCTS, INC.

AC SERVO MOTOR  
WITH ENCODER AND BRAKE

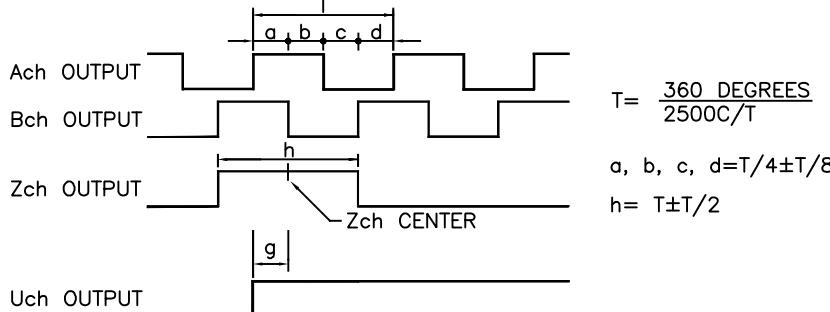
B DWG NO. J0200-352-4-000 REV E

AC SERVOMOTOR SPECIFICATION - PERMANENT MAGNET 8 POLES		
INPUT POWER SUPPLY	VAC	208-240 1/3 PHASE
RATED OUTPUT	W	200
VOLTAGE CONSTANT	V(rms)/K(rpm)±10%	27.2
RATED WINDING CURRENT	A (rms)	1.5
PEAK WINDING CURRENT	A (rms)	4.5
WINDING RESISTANCE	V ±10%@20°C	8.6 LINE-TO-LINE
WINDING INDUCTANCE	mH ±20%	25 LINE-TO-LINE
RATED TORQUE	Nm(kgf-cm)	0.64(6.53)
PEAK TORQUE	Nm(kgf-cm)	1.9(19.37)
TORQUE CONSTANT	Nm/A(rms)±10%	0.432
RATED SPEED	rpm/min	3000
MAXIMUM SPEED	rpm/min	6000
WEIGHT	Kg (lbs)	1.6(3.5)
INSULATION CLASS		B 130°C
ENCODER RESOLUTION		2500 LINES/REV.
SHAFT LOAD - AXIAL	N MAX(lbs)	70(15)
SHAFT LOAD - RADIAL	N MAX(lbs)	200(45)
MOTOR RATING	REF NOTE 3	IP65
AMBIENT TEMPERATURE	OPERATING	0 TO 40°C
AMBIENT TEMPERATURE	STORAGE	-20 TO 80°C
AMBIENT HUMIDITY MAX		85%
INERTIA - W/ ENC, BRAKE	kg*m²	0.22 X 10⁻⁴

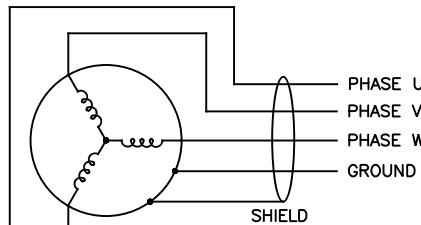
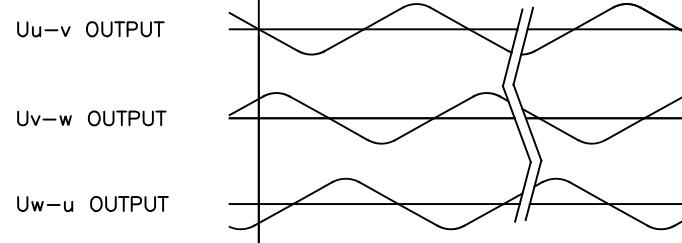
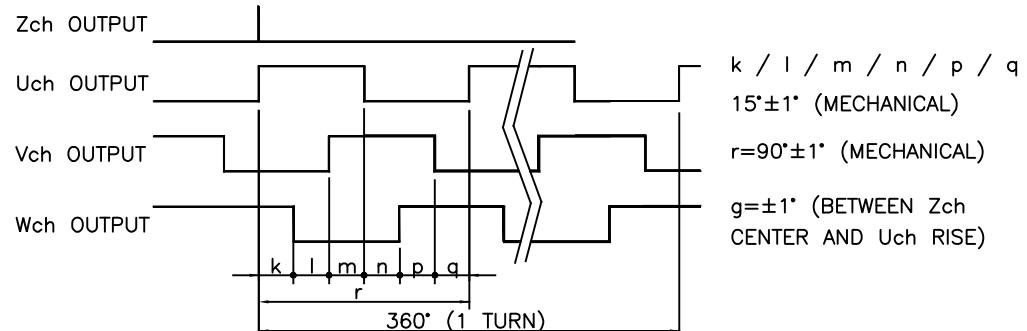
#### ⑤ BRAKE SPECIFICATIONS:

RATED VOLTAGE	24VDC
RATED CURRENT	0.38A
RELEASE VOLTAGE	18.5 VDC MAX (at 20°C)
STATIC FRICTION TORQUE	2 Nm
ENGAGE TIME	AT NOMINAL AIR GAP (@20°C) <25ms (NEW) FULL RANGE MAX AIR GAP <100ms (WORST COND)
RELEASE TIME	WITHOUT DIODE: <25ms (E-STOP) WITH DIODE: <200ms (NORMAL STOP)

#### TIMING LOGIC / ENCODER SIGNALS



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



CONTRACT NO.

 APPLIED  
MOTION  
PRODUCTS, INC.

APPROVALS	DATE
DRAWN R.JONEZ	5/19/14
CHECKED	

SERVO MOTOR  
SPECIFICATIONS

B

FSCM NO.

DWG NO.  
J0200-352-4-000

REV  
E

SCALE: NONE

SHEET 2 OF 2