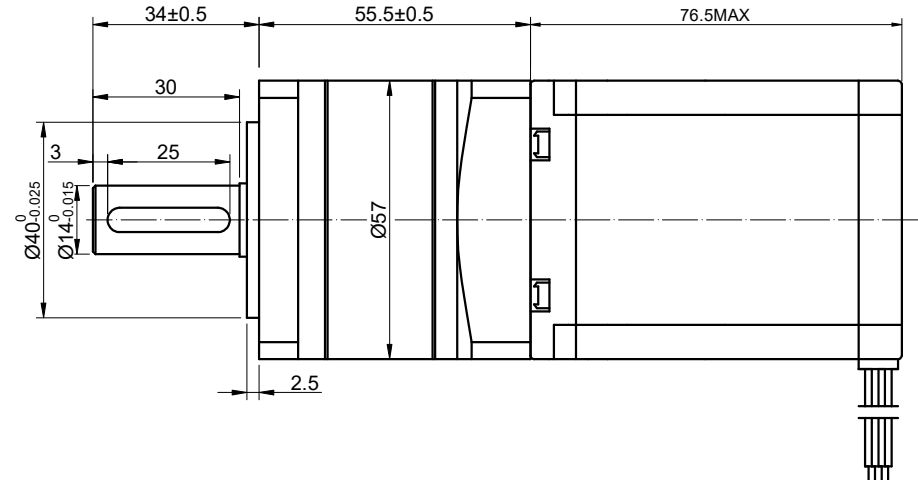
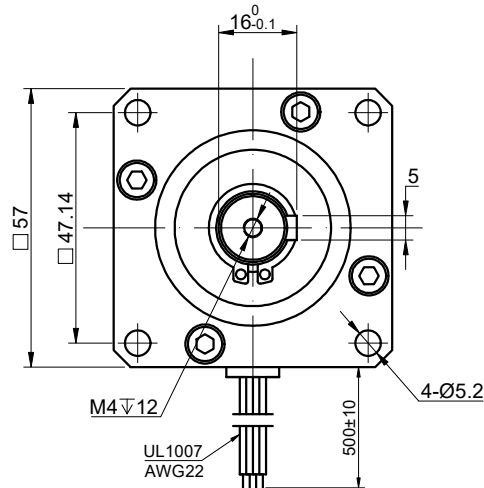


8609A	DWG NO.	23HS30-2904S-MG4	MODEL NO.
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CUSTOMER'S MODEL: NO MODEL
END COVER COLOR: BLACK

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	ZPJ	3.23.2026



CONNECTION	BIPOLAR
AMPS/PHASE	2.90
RESISTANCE/PHASE(Ohms)@25°C	1.13±10%
INDUCTANCE/PHASE(mH)@1KHz	4.80±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	1.89[16.73]
STEP ANGLE w/o GEARBOX(°)	1.80
GEAR RATIO	4
GEAR EFFICIENCY	90%
BACKLASH@NO-LOAD	<=30
MAX.PERMISSIBLE TORQUE(Nm)	25.00[221.27]
MOMENT PERMISSIBLE TORQUE(Nm)	50.00[442.54]
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

COMMENT:

- 1.DYNAMIC AXIAL LOAD: 200N MAX
- 2.DYNAMIC RADIAL LOAD @ SHAFT LENGTH 20mm: 400N MAX
- 3.TMBF 6000h OR MORE @ 24V/300RPM
- 4.INSULATION RESISTANCE (NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm
- 5.DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)



MOTOR CONNECTION			
PIN NO	BIPOLAR	LEADS	WINDING
1	A+	BLK	
2	A -	GRN	
3	B+	RED	
4	B -	BLU	

FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)						DIMENSIONS ARE IN MILLIMETERS	
STEP	A+	B+	A-	B-	↓ CW ↑ CCW	TOLERANCES AS BELOW:	
						DECIMALS	ANGLES
1	+	+	-	-		X ±0.5	±2°
2	-	+	+	-		X.X ±0.25	
3	-	-	+	+		X.XX ±0.13	
4	+	-	-	+	CW	THIRD ANGLE PROJECTION	

STEPPERONLINE®

GEARED STEPPER MOTOR

23HS30-2904S-MG4

THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHERS UNLESS EXPRESSLY AUTHORIZED IN BY WRITING STEPPERONLINE.

SIGNATURE		DATE
DRN	ZPJ	3.23.2026
APVD	LDJ	3.23.2026

REV.	0	SCALE	1:1	DWG NO.	A6058
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