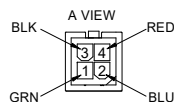
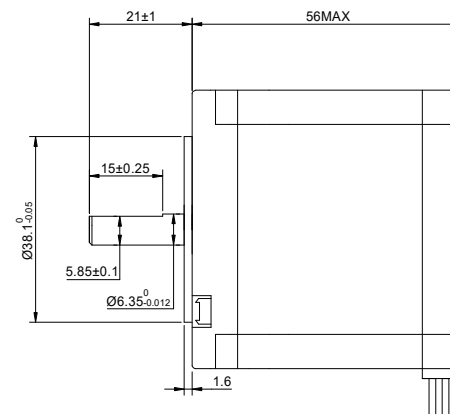
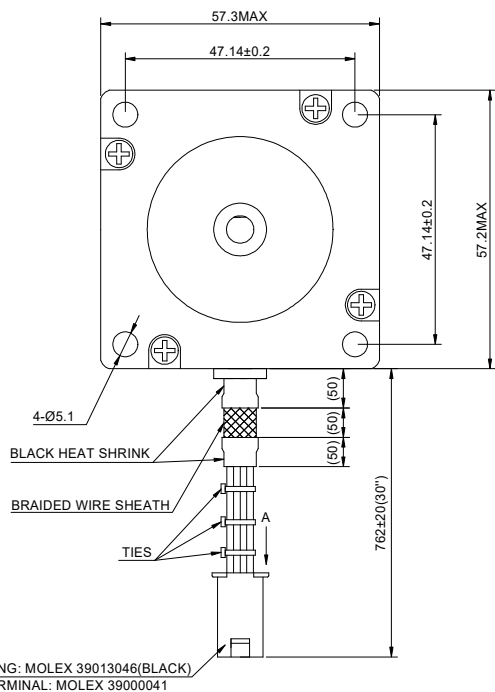


CUSTOMER'S MODEL: NO MODEL  
 END COVER COLOR: GRAY

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	ZPJ	10.24.2025



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

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.5
RESISTANCE/PHASE(Ohms)@25°C		3.60±10%
INDUCTANCE/PHASE(mH)@1KHz		13.00±20%
HOLDING TORQUE(Nm)[lb-in]		1.16[10.27]
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
ROTOR INERTIA(g-cm²)		280
WEIGHT(Kg)[lb]		—
AMBIENT TEMPERATURE		-10°C~50°C[14°F~122°F]
INSULATION CLASS		B 130°C[266°F]
TEMPERATURE RISE		MAX.80°C

COMMENT:  
 1.TMBF 6000h OR MORE @ 24V/300RPM  
 2.INSULATION RESISTANCE (NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm  
 3.DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )

STEP	FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)			
	A+	B+	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

DIMENSIONS ARE IN MILLIMETERS.  
 TOLERANCES AS BELOW:  
 DECIMALS ANGLES  
 X ±0.5 ±2°  
 X.X ±0.25  
 X.XX ±0.13

THIRD ANGLE PROJECTION

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	10.24.2025
APVD	LJ	10.24.2025

**STEPPERONLINE®**

STEPPER MOTOR

23HS22-1504S-C15

REV.	4	SCALE	2:3	DWG NO.	A5133
------	---	-------	-----	---------	-------