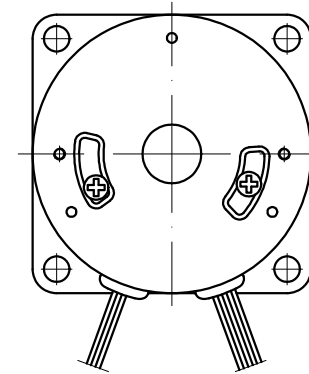
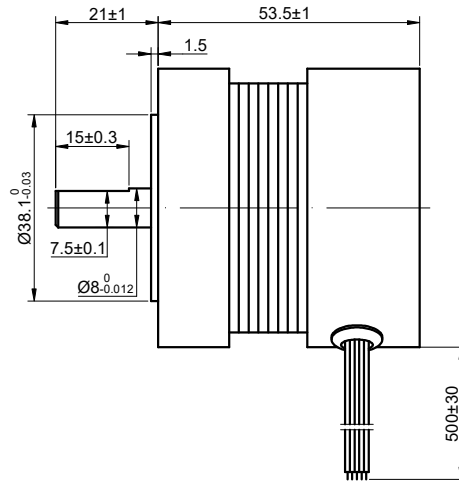
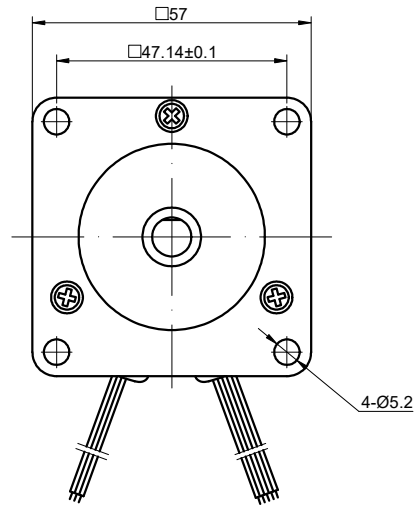


MODEL NO.	57BYB54-24-01	DWG NO.	A3154
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CUSTOMER'S MODEL: NO MODEL
END COVER COLOR: GRAY

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	ZPJ	5.8.2024



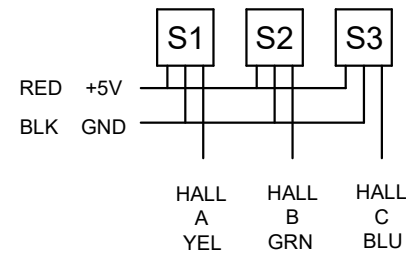
SPECIFICATION	VALUE
NO. of PHASES	3
NO. of POLES	4
RESISTANCE/PHASE(Ohms)@25°C	1.41±10%
INDUCTANCE/PHASE(mH)@1KHz	2.67±20%
RATED VOLTAGE(V)	24
RATED TORQUE(N.m)[lb-in]	0.16[1.42]
RATED POWER(W)	50
RATED SPEED(RPM)	3000±10%
RATED CURRENT(A)	3.10
NO LOAD SPEED(RPM)	4200±10%
WEIGHT(kg)	—
BACK EMF(V/krpm)	4.10±5%
SENSOR	HALL
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

COMMENT:
1.INSULATION RESISTANCE
(NORMAL TEMPERATURE AND HUMIDITY): 50 Mohm
2.DIELECTRIC STRENGTH: AC600V CUT OFF CURRENT 2mA FOR 1S

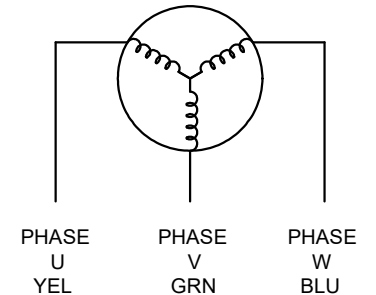
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHERS UNLESS EXPRESSLY AUTHORIZED IN BY WRITING STEPPERONLINE.

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

THIRD ANGLE PROJECTION



HALL LEAD: UL 1007 AWG 24



PHASE LEAD: UL3266 AWG 22

STEPPERONLINE®

BRUSHLESS DC MOTOR

57BYB54-24-01

SIGNATURE		DATE
DRN	ZPJ	5.8.2024
APVD	HW	5.8.2024

REV.	0	SCALE	1:1	DWG NO.	A3154
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