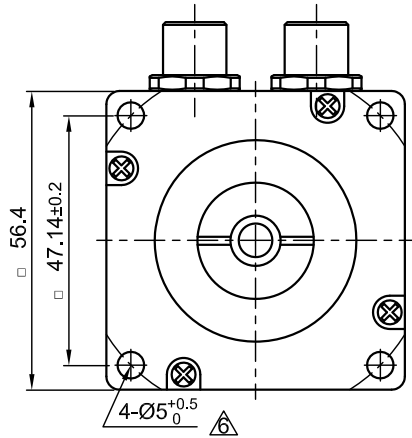
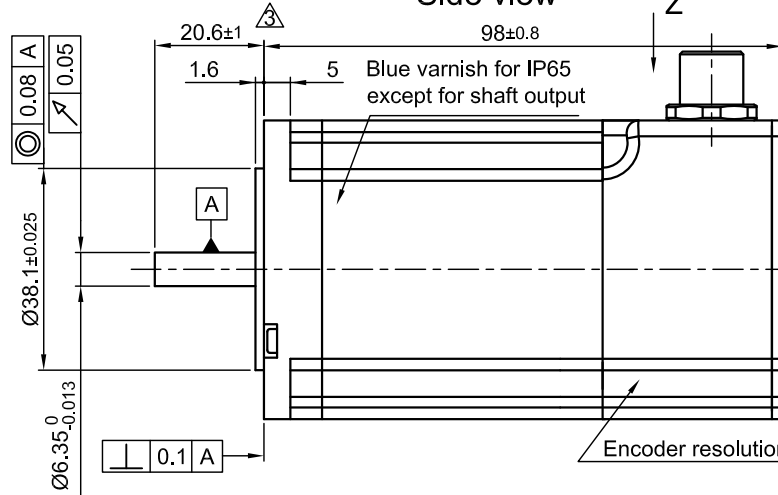


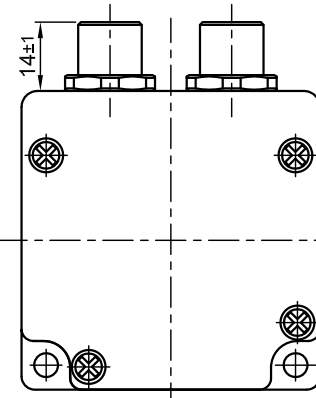
Front view and mounting



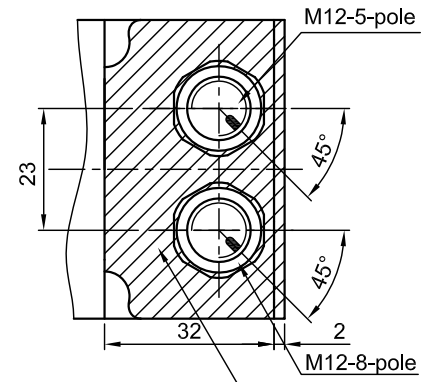
Side view



Y view



Z view



Attention: An axial pulling of the motor shaft is not permitted and may damage the motor.

*Temperature on marked area must not exceed 80°C. From 50°C to 80°C follow derating curve

SPECIFICATION	CONNECTION	BIPOLAR	PARALLEL
VOLTAGE (VDC)		2.4	△
AMPS/PHASE		4.2	* △
RESISTANCE/PHASE (Ohms)@25°C		0.58±15%	△
INDUCTANCE/PHASE (mH) @1KHz		1.9±20%	
HOLDING TORQUE (Nm) [lb-in]		1.87 [16.52]	△
STEP ANGLE (°)		1.8	△
ACCURACY(NON-ACCUM)		±5%	△
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]	
WEIGHT (Kg) [lb]		1.0 [2.2]	

FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↑	↓
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↑	↓

* △

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING-MOUNTED IN AXIAL DIRECTION

M12-5 pole Motor	
PIN. NO.	ASSIGNMENT
1	A\
2	A
3	B
4	B\
5	HOUSING

M12-8 pole Encoder	
PIN. NO.	ASSIGNMENT
1	A
2	A\
3	B
4	B\
5	GND
6	I\
7	I
8	Vcc (24V)
HOUSING	GND/SHIELDING

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED) * △	AXIAL-FORCE Fa (N)	Fa=15
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F] * △	DISTANCE a (mm)	5 10 15 20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	130 90 70 52
INSULATION CLASS B 130° [266°F]		AXIAL △ RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY MAX (mm)	-0.03 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD: (N)	200 4.5

6	NEW RESISTANCE	18.07.17	GYQ
5	NEW HOLDING TORQUE	09.08.16	GYQ
4	WARNING NOTICE/REWORK DRAW	05.04.16	GYQ
REV	DESCRIPTION	DATE	APVD

Nanotec[®]
PLUG & DRIVE

Surface specification DIN ISO 1302 General tolerances DIN ISO 2768-cH Work piece edge DIN ISO 13715

APVD	G.S.	17.02.16
CHKD	L B	11.11.11
DRN	GYQ	11.11.11
SIGNATURE		DATE

STEPPER MOTOR IN PROTECTION

DWG.NO AS5918L4204-ENM24