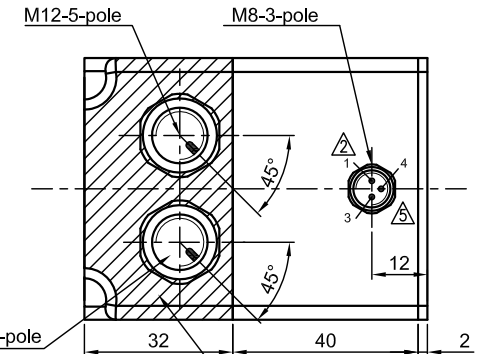
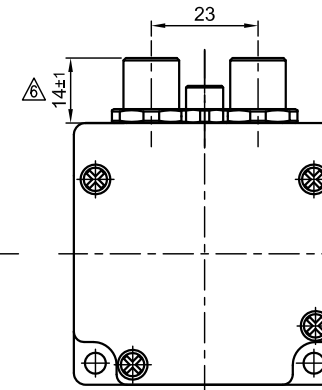
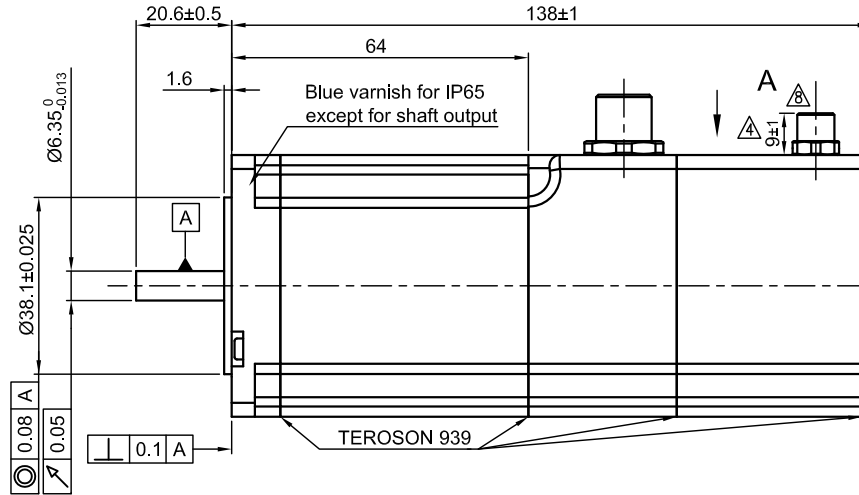
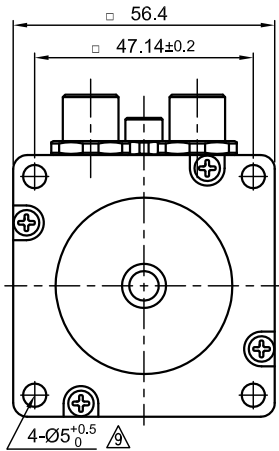


Front view and mounting

Side view

Rear view

Top view A



* 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]		1.33 [2.93]

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

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

*

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING-MOUNTED IN AXIAL DIRECTION

Pin	Assignment
1	A\
2	A
3	B
4	B\
5	HOUSING

Pin	Assignment
1	A
2	A\
3	B
4	B\
5	GND
6	I\
7	I
8	Vcc (5V)

Pin	Assignment
1	Brake
3	Brake/GND
4	NC

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 (mm)	0.08 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 4.5

9	NEW RESISTANCE	18.07.17	GYQ
8	M8 HEIGHT TOLERANCE	28.10.16	GYQ
7	NEW HOLDING TORQUE	09.08.16	GYQ
REV	DESCRIPTION	DATE	DRN

Nanotec[®]
PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768-cH	Work piece edge DIN ISO 13715
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APVD	G.S.	10.12.15
CHKD	ZYL	19.08.10
DRN	GYQ	19.08.10
SIGNATURE	DATE	

STEPPER MOTOR IN PROTECTION

DWG.NO AS918L4204-EB