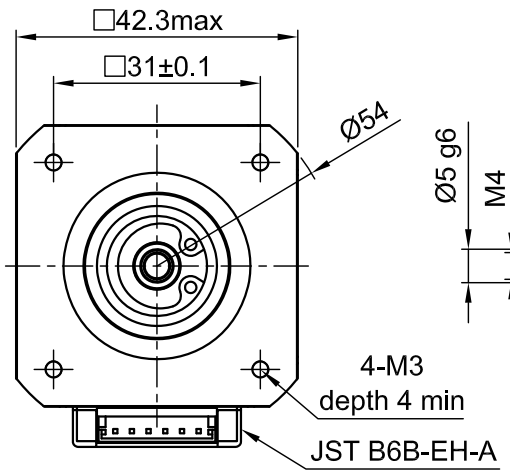
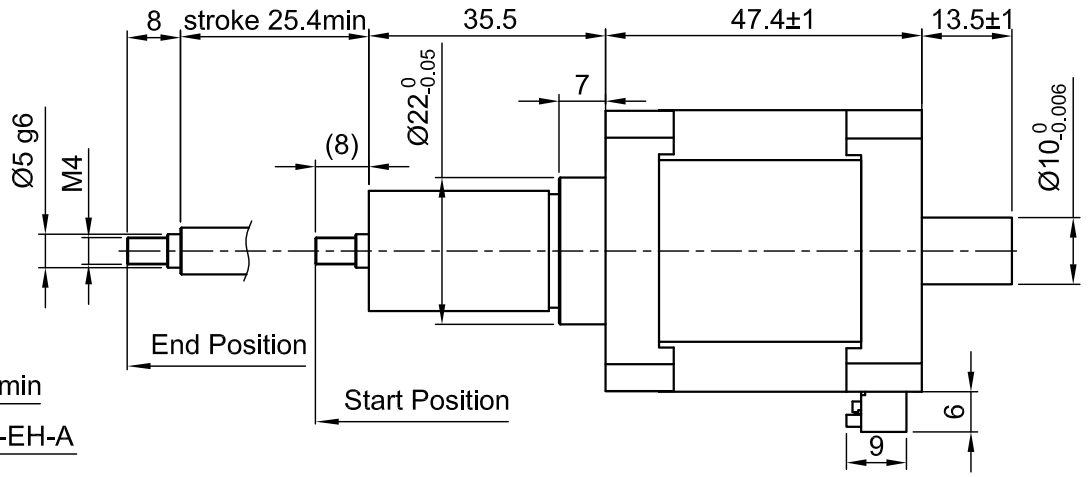
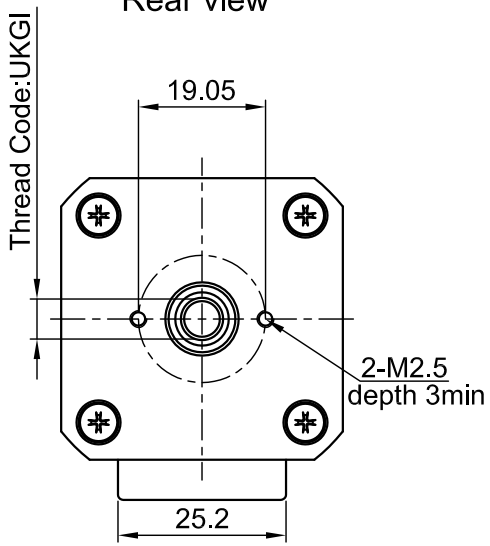
Front view and mounting



Side view



Rear view



SPECIFICATION / CONNECTION	BIPOLAR
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	1.75±15%
INDUCTANCE/PHASE (mH) @1KHz	3.4±20%
SPINDLE PITCH (mm) [in]	6.35 [0.25]
THRUST (N)	275
RESOLUTION (mm/STEP)	0.03175
MAX. SPEED (mm/sec.) AT 48V	80
WEIGHT (Kg) [lb]	0.39 [0.86]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
AMBIENT TEMPERATURE −10°~ 50°C [14°F ~ 122°F]	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130° [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	

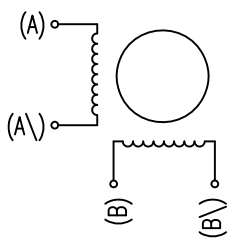
Please regard the application note at www.nanotec.com for further informations.

MOTOR	
CONNECTOR PIN NO.	WINDING
1 (NC)	
2	A
3	A\
4	B
5	B\
6 (NC)	

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

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

WIRING DIAGRAM



REV	DESCRIPTION	DATE	DRN
A	–	22.01.18	L W

Nanotec® PLUG & DRIVE

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

	SIGNATURE	DATE
APVD	A.N.	16.10.17
CHKD	GYQ	16.10.17
DRN	L W	16.10.17

LINEAR ACTUATOR

DWG.NO LGA421L18−B−UKGI−025