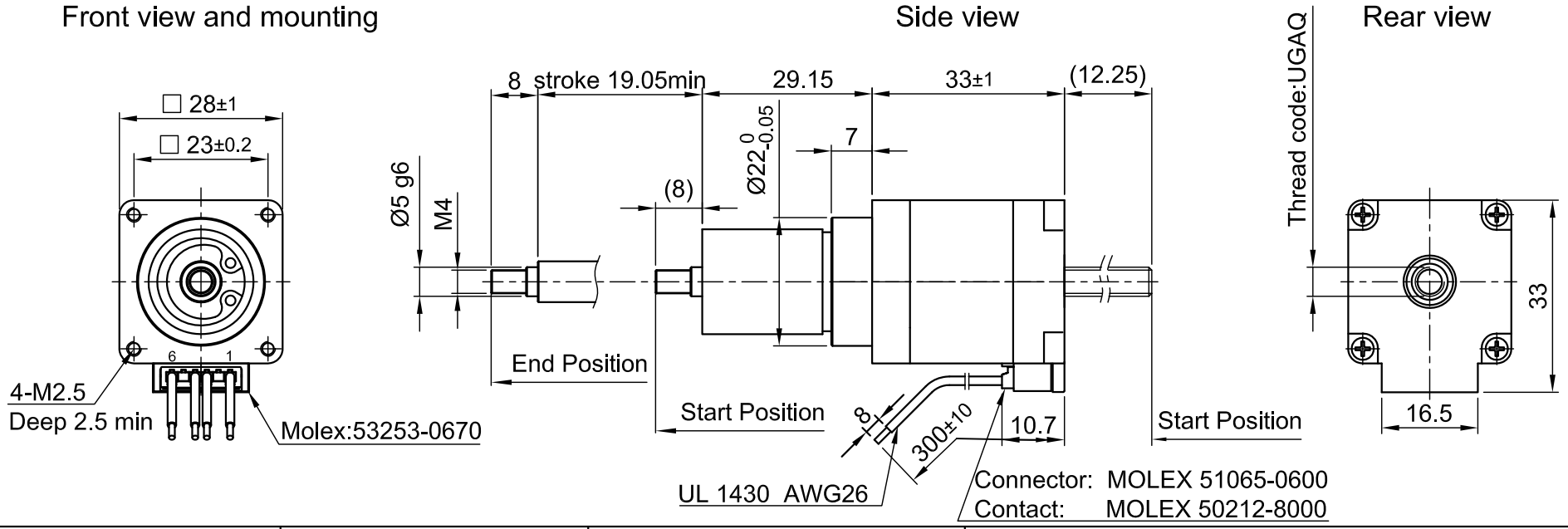


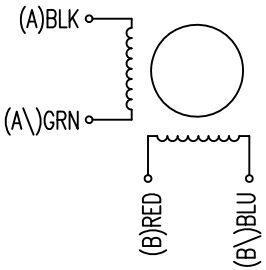
SPECIFICATION \ CONNECTION	BIPOLAR
AMPS/PHASE	1.0
RESISTANCE/PHASE (Ohms)@25°C	2.7±15%
INDUCTANCE/PHASE (mH) @1KHz	2.5±20%
SPINDLE LEAD (mm) [in]	0.635 [0.025]
THRUST (N) [lbf]	210 [47.19]
RESOLUTION (mm/STEP)	0.003175
MAX. SPEED (mm/sec.) AT 48V	19
WEIGHT (Kg) [lb]	0.14 [0.31]
TEMPERATURE RISE: MAX.80°C (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.

Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)	MOTOR	
BIPOLAR	LEADS	WINDING
A —	BLK	A
A\ —	GRN	A\
B —	RED	B
B\ —	BLU	B\

WIRING DIAGRAM



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

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

REV	DESCRIPTION	DATE	APVD
A	−	05.09.18	X T

Nanotec® PLUG & DRIVE

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

			SIGNATURE
APVD	P.R.	19.04.18	
CHKD	GYQ	19.04.18	
DRN	X T	19.04.18	DATE

STEPPING MOTOR

DWG.NO LGA281S10−A−UGAQ−019