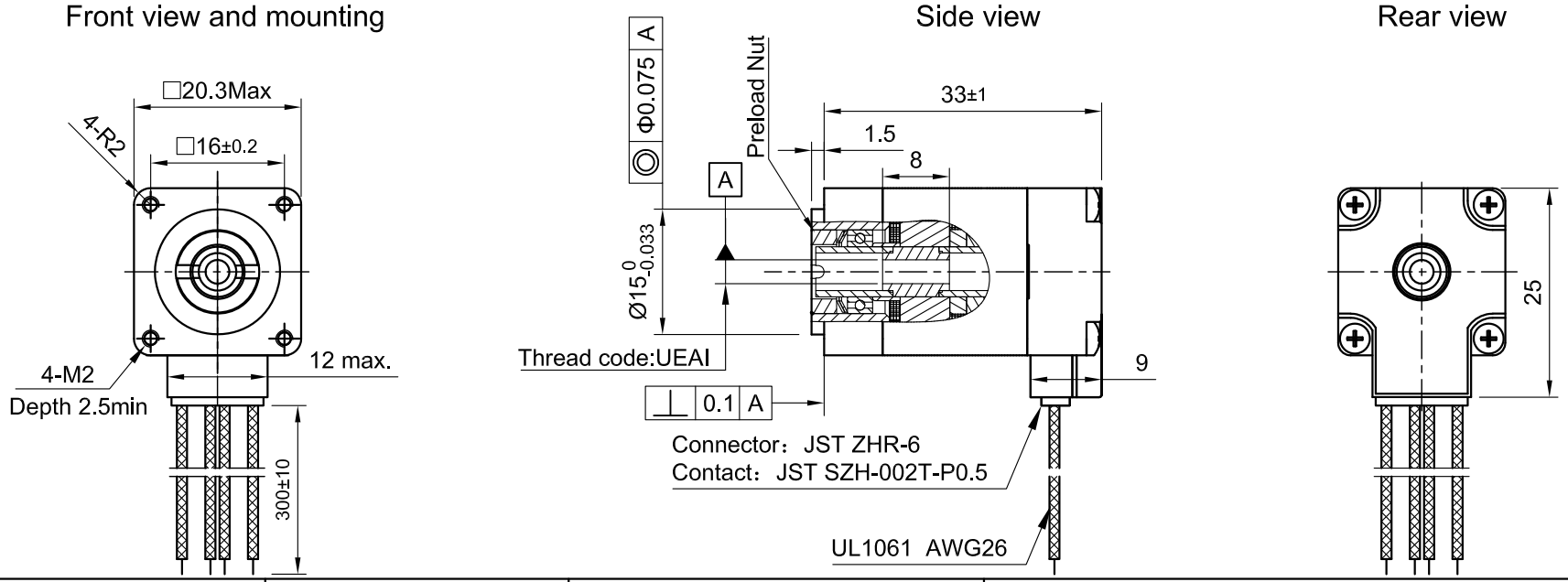


SPECIFICATION \ CONNECTION	BIPOLAR
AMPS/PHASE	0.37*
RESISTANCE/PHASE (Ohms)@25°C	6.4±10%
INDUCTANCE/PHASE (mH) @1KHz	2.6±20%
THREAD DIAMETER (mm) [in]	3.5052 [0.138]
THREAD LEAD (mm) [in]	0.3048 [0.012]
RATED FORCE (N)/MAX. FORCE (N)	3 / 63
RESOLUTION (mm/STEP)	0.001524
MAX. SPEED (mm/sec.) AT 24V	5.1
WEIGHT (Kg) [lb]	0.054 [0.119]
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.

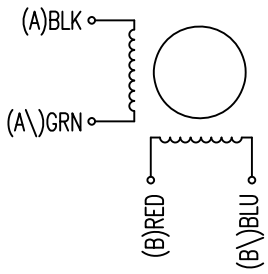
* Base motor current is 0.6A.

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

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	–	14.07.23	X T

Nanotec® PLUG & DRIVE

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

	SIGNATURE	DATE
APVD	P.R.	16.12.22
CHKD	GYQ	16.12.22
DRN	X T	16.12.22

LINEAR ACTUATOR

DWG.NO LA201S06–A–UEAI