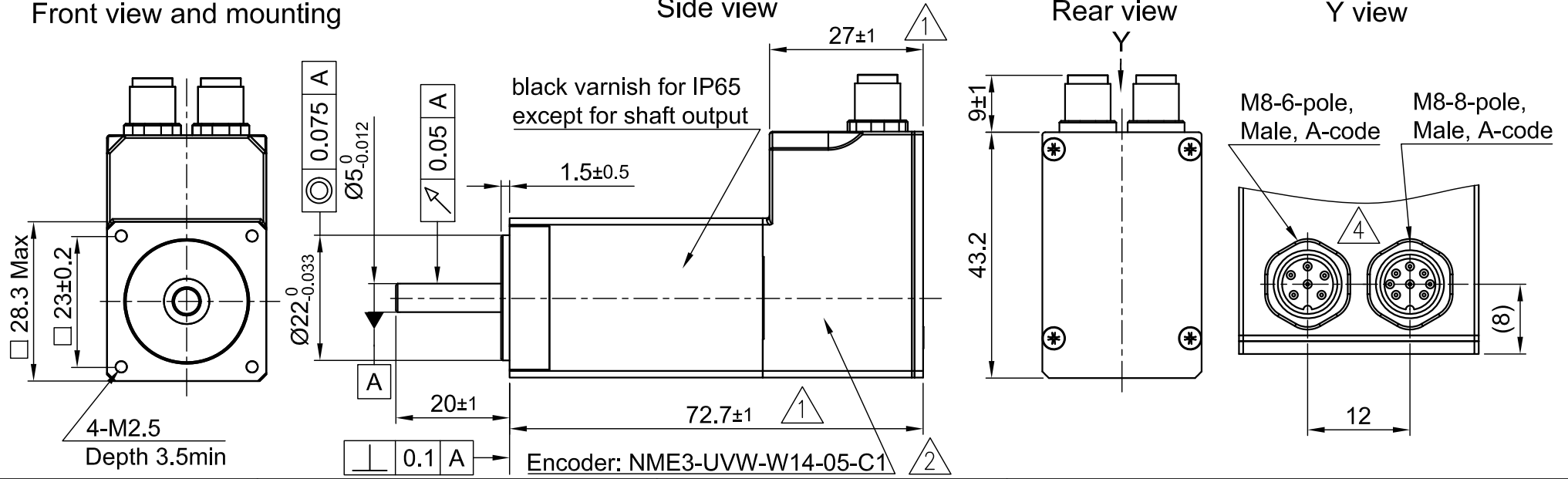


Front view and mounting

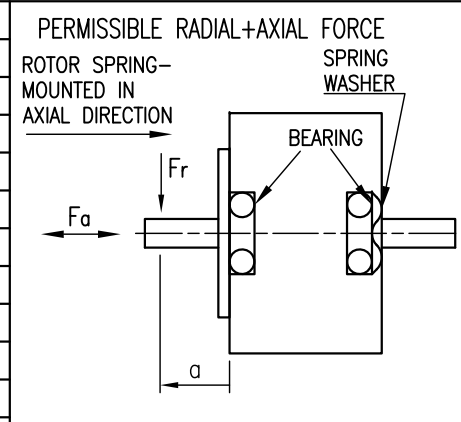
Side view

Rear view

Y view



SPECIFICATION	
MAXIMAL OPERATING VOLTAGE (VDC)	30
VOLTAGE (VDC)	2.85
AMPS/PHASE	1.5
RESISTANCE/PHASE (Ohms)@25°C	1.9±15%
INDUCTANCE/PHASE (mH) @1KHz	1.9±20%
HOLDING TORQUE (Nm)	0.18
STEP ANGLE (°)	1.8
STEP ACCURACY(NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m ²)	1.8x10 ⁻⁶
WEIGHT (Kg)	0.24



M8-6 pole Motor	
PIN. NO.	ASSIGNMENT
1	A\
2	A
3	B
4	B\
5	-
6	-

M8-8 pole Encoder	
PIN NO.	ASSIGNMENT
1	A
2	A\
3	B
4	B\
5	GND
6	I\
7	I
8	Vcc (+5V)
HOUSING	GND

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)	

AXIAL-FORCE Fa (N)	Fa=15			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20
		AXIAL	RADIAL	
SHAFT PLAY (mm)		0.08	0.02	
AT LOAD MAX: (N)		4.5	4.5	

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

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

4	Change connectors direction	26.12.23	L X	 Nanotec [®] PLUG & DRIVE	APVD	M.H.	17.03.21	STEPPER MOTOR IN PROTECTION DWG.NO AS2818L1504-E
3	Add Description	14.07.23	L X		CHKD	GYQ	17.03.21	
2	Update Description/Weight	03.02.23	C J		DRN	SYF	17.03.21	
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768-cH	Work piece edge DIN ISO 13715	SIGNATURE	DATE