

STEPPER MOTOR

20 × 20 mm | 2-Phase | 1.8°

OK20STH38-0604A-2Y-C1

ELECTRICAL SPECIFICATIONS

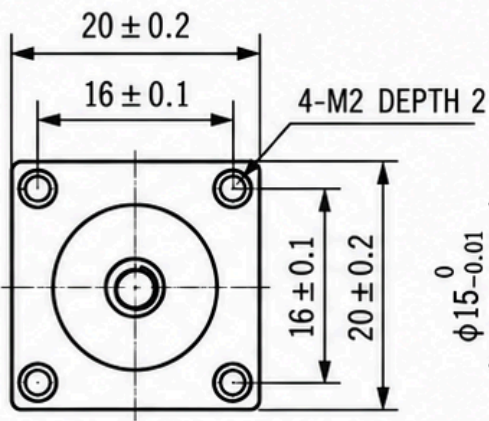
Rated Voltage	7.5 V DC
Rated Current	0.6 A/Phase
Step Angle	1.8°
Number of Phases	2
Phase Resistance	12.5 Ω ±10% (at 20°C)
Phase Inductance	5.5 mH ±20%
Holding Torque*	0.039 N·m (0.4 kgf·cm)
Insulation Class	Class B
Insulation Resistance	≥100 MΩ (500 V DC)
Operating Temperature	-20°C to +50°C
Operating Humidity	15%-95% RH
Recommended Driver Supply	12-24 V DC
Recommended Driver	OK2D4020A

MECHANICAL SPECIFICATIONS

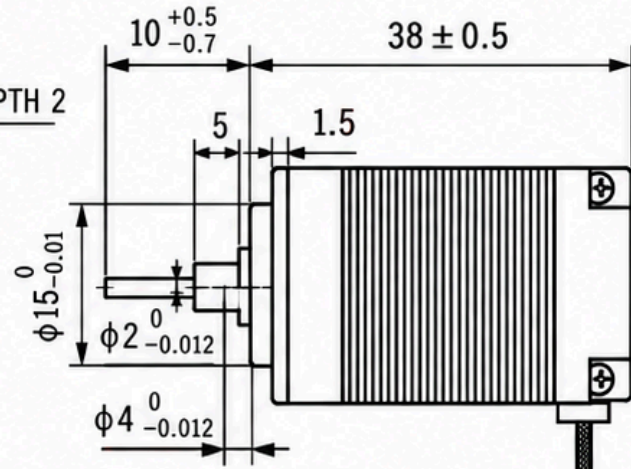
Model	OK20STH38-0604A-2Y-C1
Frame Size	20 × 20 mm
Motor Body Length	38 ±0.5 mm
Shaft Diameter	2 mm (Tip) / 4 mm (Base)
Shaft Length	10 mm (-0.2 / -0.7 mm)
Shaft Tip Length	5 mm
Shaft Type	Stepped Round Shaft
Mounting Hole Spacing	16 ±0.1 mm
Mounting Holes	4 × M2, 2 mm Thread Depth
Pilot Diameter	15 mm
Pilot Height	1.5 mm
Motor Weight	Approx. 0.08 kg
Number of Wires	4
Cable Length	280 mm
Wire Specification	UL1061, 26 AWG
Connector Type	HY2.0-4P
Shaft Customization	Available

DIMENSIONAL DRAWING & WIRING REFERENCE

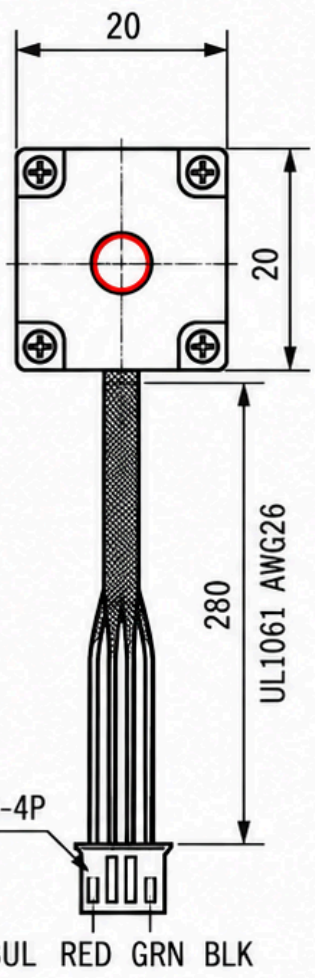
FRONT VIEW



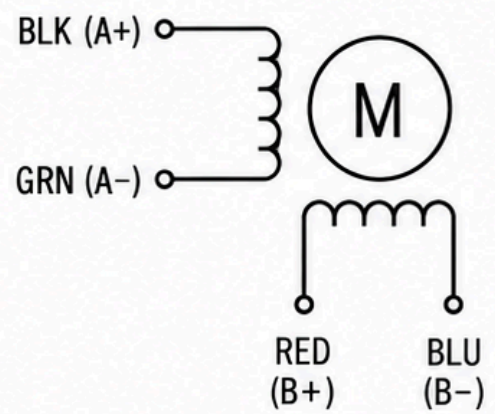
SIDE VIEW



REAR VIEW



WIRING DIAGRAM



Excitation Sequence and CW Direction

STEP	A+	B+	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

Viewed from the mounting surface.