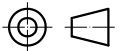
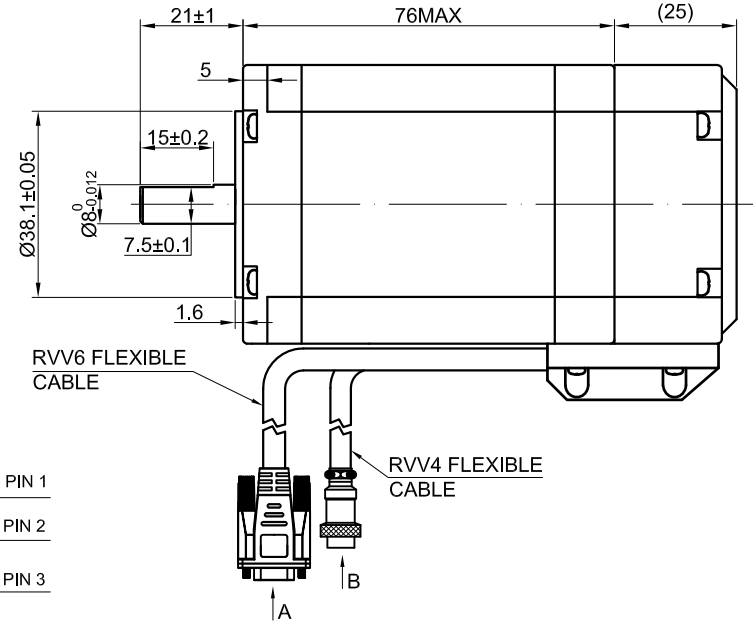
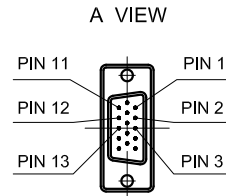
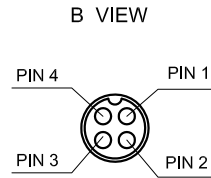
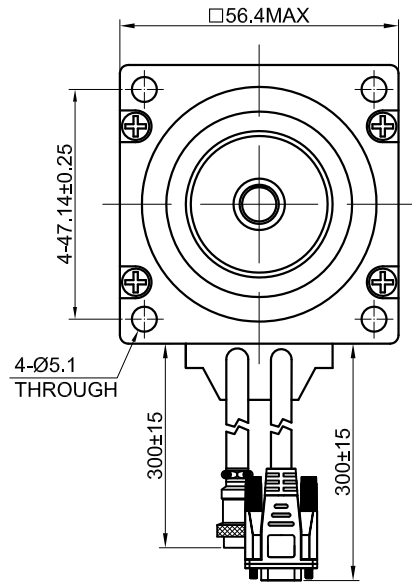

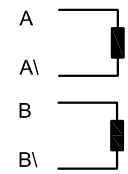


END COVER COLOR: BLACK



| SPECIFICATION | | CONNECTION | | BIPOLAR | | | | | | |
|--|--|------------|--|--------------|--|------------|--------------------|--|--|--|
| NO. OF PHASE | | | | 2 | | | | | | |
| AMPS/PHASE | | | | 5.00 | | | | | | |
| RESISTANCE/PHASE(Ohms)@20°C | | | | 0.42±10% | | | | | | |
| INDUCTANCE/PHASE(mH)@1KHz | | | | 1.70±20% | | | | | | |
| HOLDING TORQUE(Nm)[lb-in] | | | | 2.00 [17.71] | | | | | | |
| STEP ANGLE(°) | | | | 1.8 | | | | | | |
| STEP ACCURACY(NON-ACCUM) | | | | ±5.00% | | | | | | |
| WEIGHT(Kg)[lb] | | | | — | | | | | | |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED) | | | | | | | | | | |
| OPERATION AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F] | | | | | | | | | | |
| INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY) | | | | | | | | | | |
| INSULATION CLASS B 130°C[266°F] | | | | | | | | | | |
| DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | | | | | | | | | |
|  | | | | APVD | | 10.16.2021 | STEPPER MOTOR | | | |
| | | | | CHKD | | | | | | |
| | | 1:1.5 | | DRN | | | 23HS30-5004D-E1000 | | | |
| | | SCALE | | SIGNATURE | | DATE | | | | |

| TYPE OF CONNECTION (EXTERN) | | MOTOR | |
|-----------------------------|---------|-------|--|
| PIN NO | BIPOLAR | LEADS | WINDING |
| 1 | A — | |  |
| 2 | A\ — | | |
| 3 | B — | | |
| 4 | B\ — | | |

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

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

ENCODER RESOLUTION:1000PPR(4000CPR)

| | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|
| 15-PIN DB MALE PLUG | 1 | 2 | 3 | 11 | 12 | 13 |
| DESCRIPTION | EA+ | VCC | GND | EB+ | EB- | EA- |