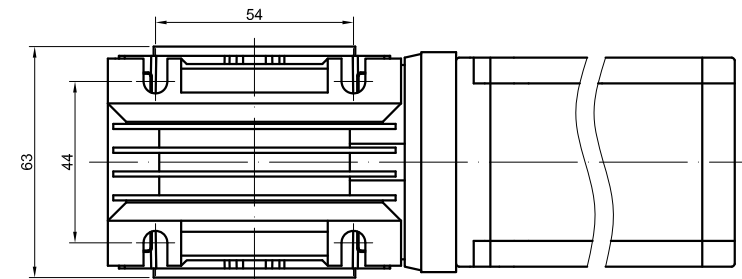


C VIEW



| SPECIFICATION  | CONNECTION | BIPOLAR       |
|--|------------|---------------|
| AMPS/PHASE   |            | 4.20          |
| RESISTANCE/PHASE(Ohms)@25°C  |            | 0.88±10%      |
| INDUCTANCE/PHASE(mH)@1KHz  |            | 3.40±20%      |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]  |            | 3.00[26.55]   |
| STEP ANGLE w/o GEARBOX(°)  |            | 1.80±5.00%    |
| GEAR RATIO   |            | 20            |
| MAX.PERMISSIBLE TORQUE(Nm)[lb-in]  |            | 18.00[159.31] |
| EFFICIENCY   |            | 73%           |
| SHAFT MAXIMUM RADIAL LOAD(kN)  |            | 0.94          |
| BACKLASH@NO-LOAD(°)  |            | 1             |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)                |            |               |
| 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) |            |               |

| PIN NO | TYPE OF CONNECTION (EXTERN) |       | MOTOR   |  |
|--------|-----------------------------|-------|---------|--|
|        | BIPOLAR                     | LEADS | WINDING |  |
| 1      | A+ —                        | BLK   | A+      |  |
| 2      | A- —                        | GRN   | A-      |  |
| 3      | B+ —                        | RED   | B+      |  |
| 4      | B- —                        | BLU   | B-      |  |

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

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



|       |           |           |
|-------|-----------|-----------|
| APVD  |           | 11.7.2022 |
| CHKD  |           |           |
| 1:1.5 | DRN       |           |
| SCALE | SIGNATURE | DATE      |

STEPPER MOTOR

23HS45-4204S-RV30-G20