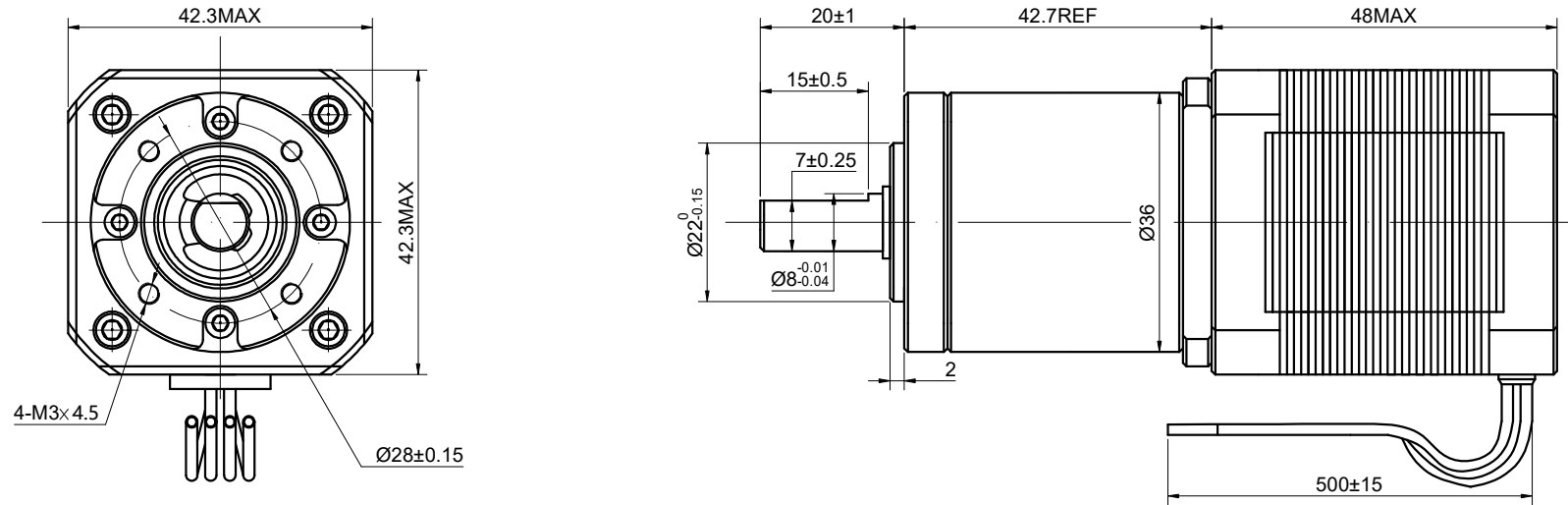


MODEL NO. 17HS19-1684S-PG100 DWG NO. A0795

CUSTOMER'S MODEL: NO MODEL  
END COVER COLOR: BLACK

| REV. | REVISION RECORD | BY  | DATE      |
|------|-----------------|-----|-----------|
| 0    | ORIGIN          | LDJ | 8.28.2023 |



| SPECIFICATION                         | CONNECTION | BIPOLAR                |
|---------------------------------------|------------|------------------------|
| AMPS/PHASE                            |            | 1.68                   |
| RESISTANCE/PHASE(Ohms)@25°C           |            | 1.80±10%               |
| INDUCTANCE/PHASE(mH)@1KHz             |            | 3.20±20%               |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] |            | 0.52[4.60]             |
| STEP ANGLE w/o GEARBOX(°)             |            | 1.80                   |
| GEAR RATIO                            |            | 99.548                 |
| GEAR EFFICIENCY                       |            | 70%                    |
| BACKLASH@NO-LOAD                      |            | <=3°                   |
| MAX.PERMISSIBLE TORQUE(Nm)            |            | 3                      |
| MOMENT PERMISSIBLE TORQUE(Nm)         |            | 5                      |
| AMBIENT TEMPERATURE                   |            | -10°C~50°C[14°F~122°F] |
| INSULATION CLASS                      |            | B 130°C[266°F]         |
| TEMPERATURE RISE                      |            | MAX.80°C               |

COMMENT:

- 1.DYNAMIC AXIAL LOAD: 50N MAX
- 2.DYNAMIC RADIAL LOAD @ SHAFT LENGTH 20mm: 100N MAX
- 3.TMBF 6000h OR MORE @ 24V/300RPM
- 4.INSULATION RESISTANCE (NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm
- 5.DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )

| MOTOR CONNECTION |         |       |         |
|------------------|---------|-------|---------|
| PIN NO           | BIPOLAR | LEADS | WINDING |
| 1                | A+      | BLK   |         |
| 2                | A-      | GRN   |         |
| 3                | B+      | RED   |         |
| 4                | B-      | BLU   |         |

| FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X) |    |    |    |    | CCW | CW | DIMENSIONS ARE IN MILLIMETERS.<br>TOLERANCES AS BELOW:<br>DECIMALS ANGLES<br>X ±0.5 ±2°<br>X.X ±0.25<br>X.XX ±0.13 |
|--|----|----|----|----|-----|----|--|
| STEP   | A+ | B+ | A- | B- |     |    |  |
| 1  | +  | +  | -  | -  |     |    |  |
| 2  | -  | +  | +  | -  |     |    |  |
| 3  | -  | -  | +  | +  |     |    |  |
| 4  | +  | -  | -  | +  |     |    |  |

**STEPPERONLINE®**

STEPPER MOTOR

17HS19-1684S-PG100

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| SIGNATURE |     | DATE      |
|-----------|-----|-----------|
| DRN       | LDJ | 8.28.2023 |
| APVD      | YSX | 8.28.2023 |

|      |   |       |     |         |       |
|------|---|-------|-----|---------|-------|
| REV. | 0 | SCALE | 1:1 | DWG NO. | A0795 |
|------|---|-------|-----|---------|-------|