



RS NUMBER: 1805280
RS NUMBER: 1805281

Characteristics

STEP ANGLE
 $1,8^\circ$

STEP ANGLE ACCURACY
 $\pm 5\%$

INSULATION CLASS
B

AMBIENT TEMPERATURE
 -20°C $+50^\circ\text{C}$

TEMP. RISE
 80°C MAX (RATED CURRENT, 2 PHASE ON)

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

DIELECTRIC STRENGTH
500 VAC FOR ONE MINUTE

SHAFT RADIAL PLAY
0,02 MAX (450 G LOAD)

SHAFT AXIAL PLAY
0,08 MAX. (450 G LOAD)

MAX RADIAL FORCE
75 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE
15 N

Connection

| LEAD N° | COLOR | GAUGE | FUNCTION |
|-----------------------|--------|--------------|-------------|
| 1 | BLACK | UL1430 AWG22 | PHASE A |
| 2 | GREEN | UL1430 AWG22 | PHASE A- |
| 3 | RED | UL1430 AWG22 | PHASE B |
| 4 | BLUE | UL1430 AWG22 | PHASE B- |
| UNIPOLAR MOTOR | | | |
| 5 | YELLOW | UL1430 AWG22 | COM PHASE A |
| 6 | WHITE | UL1430 AWG22 | COM PHASE B |

Specification

RS n° 1805280 1805281

| Model | | 1805280 | 1805281 |
|--------------------|----------------------------|---------|---------|
| 1 RATED VOLTAGE | V | 4 | 12 |
| 2 CURRENT/PHASE | A | 1,1 | 0,4 |
| 3 RESISTANCE/PHASE | Ω | 3,6 | 30 |
| 4 INDUCTANCE/PHASE | mH | 3,6 | 30 |
| 5 HOLDING TORQUE | NM | 0,288 | 0,288 |
| 6 ROTOR INERTIA | $\text{g}\cdot\text{cm}^2$ | 57 | 57 |
| 7 WEIGHT | KG | 0,54 | 0,54 |
| 8 NUMBER OF LEADS | N° | 6 | 6 |

Speed vs. Torque Characteristics

