



RS NUMBER: 1805280
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Characteristics

STEP ANGLE
 $1,8^\circ$

STEP ANGLE ACCURACY
 $\pm 5\%$

INSULATION CLASS
B

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

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

