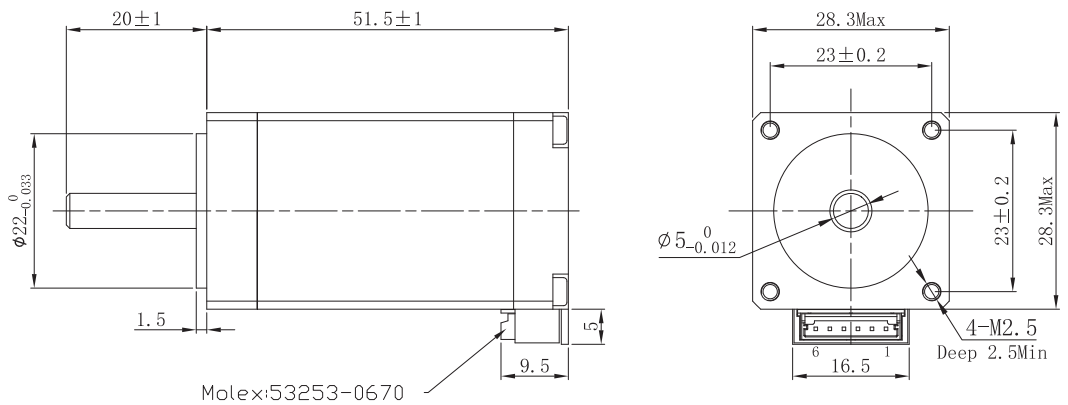


Stepper MOTOR

28STC51 Hyper Step



Molex:53253-0670

Characteristics

STEP ANGLE
1,8°

STEP ANGLE ACCURACY
± 5%

INSULATION CLASS
B

AMBIENT TEMPERATURE
-20°C +50°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
28 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE
7 N

Connection

LEAD N°	COLOR	GAUGE	FUNCTION
1	BLACK	UL1061 AWG28	PHASE A
2	GREEN	UL1061 AWG28	PHASE A-
3	RED	UL1061 AWG28	PHASE B
4	BLUE	UL1061 AWG28	PHASE B-

Specification

Model		28STC51-0674A	28STC51-1504A	
1	RATED VOLTAGE	V	6,2	2,7
2	CURRENT/PHASE	A	0,67	1,5
3	RESISTANCE/PHASE	Ω	9,2	1,9
4	INDUCTANCE/PHASE	mH	8,4	1,9
5	HOLDING TORQUE	NM	0,18	0,18
6	ROTOR INERTIA	G-CM ²	18	18
7	WEIGHT	KG	0,2	0,2
8	NUMBER OF LEADS	N°	4	4
9	LENGTH	MM	51,5	51,5

Speed vs. Torque Characteristics

