

SPECIFICATION

Model		57STC41-2804AC	57STC41-4204AC	
1	RATED VOLTAGE	V	2,1	1,5
2	CURRENT/PHASE	A	2,8	4,2
3	RESISTANCE/PHASE	Ω	0,78	0,35
4	INDUCTANCE/PHASE	mH	1,8	0,8
5	HOLDING TORQUE	Nm	0,6	0,6
6	ROTOR INERTIA	$g\text{-cm}^2$	120	120
7	DETENT TORQUE	$Kg\text{-cm}$	0,21	0,21
8	WEIGHT	Kg	0,45	0,45
9	NUMBER OF LEADS		4	4
10	LENGTH	mm	41	41

CHARACTERISTICS

STEP ANGLE	1,8°
STEP ANGLE ACCURACY	± 5%
INSULATION CLASS	B
AMBIENT TEMPERATURE	-20°C +50°C
MAX TEMP. RISE (RATED CURRENT, 2 PHASE ON)	80°C
INSULATION RESISTANCE	100 Mohm min. 500 VDC
DIELECTRIC STRENGTH	500 VAC FOR ONE MINUTE
MAX SHAFT RADIAL PLAY (450 g LOAD)	0,02 mm
MAX SHAFT AXIAL PLAY (450 g LOAD)	0,08 mm
MAX RADIAL FORCE (20 mm FROM FRONT FLANGE)	20 N
MAX AXIAL FORCE	15 N

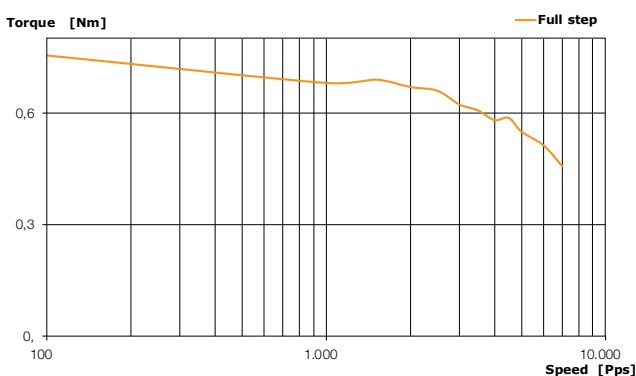
CONNECTION

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-



STEPPER MOTOR

57STC41-2804AC VM: 24V; 2,8A/Phase Driver: SMD 103



57STC41-4204AC VM: 24V; 4,2A/Phase Driver: SMD 103

