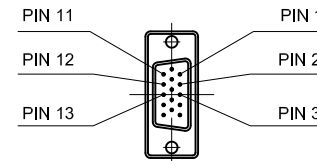


SPECIFICATION	CONNECTION	BIPOLAR
VOTAGE(VOC)		12.10
AMPS/PHASE		0.38
RESISTANCE/PHASE(Ohms)@25°C		32.00±10%
INDUCTANCE/PHASE(mH)@1KHz		110.00±20%
HOLDING TORQUE(Nm)[lb-in]		0.90[7.97]
STEP ANGLE(°)		0.90
STEP ACCURACY(NON-ACCUM)		±5.00%
LEAD STYLE		FVR 4X0.5mm <sup>2</sup> CABLE
LIFE(h)		6000
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED )		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY )		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )		
AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	
2	C —	GRN	
3	B —	YEL	
4	D —	BLU	

DB MALE PLUG



15-PIN DB MALE PLUG	1	2	3	11	12	13
LEAD COLOR	BLK	RED	WHT	YEL	GRN	BLU
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

	APVD		
	CHKD		
1:1.5	DRN		
SCALE	SIGNATURE	DATE	

**STEPPER MOTOR**  
**23HM20-0384D-E1000**