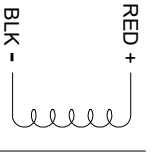
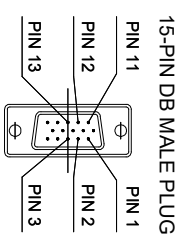
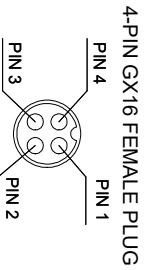


BRAKE CONNECTIONS

24V 2.0N.m

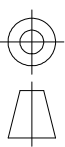


15-PIN DB MALE PLUG	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-



STEP	A+	B+	A-	B-	CCW
1	+	+	-	-	
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

FULL STEP 2 PHASE-EX. WHEN FACING MOUNTING END (X)		MOTOR CONNECTION	
UNIT mm	GB/T 1804-M EQV/ISO 2768-1 CLASS M:	PIN NO	BIPOLAR LEADS
<=6	±0.1	1	A+
>6-30	±0.2	2	A-
>30-120	±0.3	3	B+
>120-400	±0.5	4	B-



SPECIFICATION	VALUE
AMPS/PHASE	4.0
RESISTANCE/PHASE(Ohms)@25°C	0.45±10%
INDUCTANCE/PHASE(mH)@1KHz	1.40±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	1.20 [10.63]
GEAR RATIO	50
EFFICIENCY	75%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD(°)	1.6
MAX. PERMISSIBLE TORQUE(Nm)	20.0
MOMENT PERMISSIBLE TORQUE(Nm)	40.0
SHAFT MAXIMUM AXIAL LOAD(N)	100
SHAFT MAXIMUM RADIAL LOAD(N)	250
AMBIENT TEMPERATURE	0°C-50°C[32°F-122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

OSMTEC®

Stepper Motor Specialists

mm	DRN	LDJ
UNITS	2:3	APVD ZPJ
SCALE	SIGNATURE	DATE

PLANETARY GEARBOX

23E1KBK20-12-HG50