

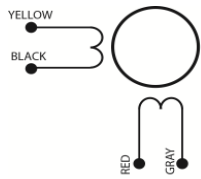
DIMENSIONS: MILLIMETERS  
INCHES

42DBL-L

Electrical Data		42DBLXXC1B-L Bipolar	42DBLXXC2B-L Bipolar	42DBLXXC1U-L Unipolar	42DBLXXC2U-L Unipolar	
1 Operating Voltage		5	12	5	12	VDC
2 Resistance per Phase, ± 10%		5.0	28.8	5.0	28.8	Ohms
3 Inductance per Phase, typ		5.5	39.3	3.7	15.0	mH
4 Rated Current per Phase *		1.00	0.42	1.00	0.42	A
<b>Coil independent parameters</b>		<b>XX</b>				
5 Max. Holding Force	@ .001" (0.0254mm)	102.9 (370)		100 (360)	N (oz)	
	@ .002" (0.0508mm)	83.4 (300)		72.3 (260)	N (oz)	
	@ .004" (0.1016mm)	55.6 (200)		50 (180)	N (oz)	
6 Min. Holding Force (Unenergized)	@ .001" (0.0254mm)		111.2 (400)		N (oz)	
	@ .002" (0.0508mm)		83.4 (300)		N (oz)	
	@ .004" (0.1016mm)		19.5 (70)		N (oz)	
7 Maximum travel	@ .001" (0.0254mm)		76.2 (3)		mm (in)	
	@ .002" (0.0508mm)		76.2 (3)		mm (in)	
	@ .004" (0.1016mm)		76.2 (3)		mm (in)	
8 Step Angle			7.5 ± .5		Degree	
9 Steps per Revolution			48			
10 Ambient Temperature Range (operating)			-20 to +70 (-4 to +158)		°C (°F)	
11 Maximum Coil Temperature			130 (266)		°C (°F)	
12 Bearing Type			Ball Bearing			
13 Insulation Resistance at 500 VDC			20		Mohms	
14 Dielectric Withstanding Voltage			650 for 2 seconds		VAC	
15 Weight			156 (5.51)		g (oz)	
16 Leadwire			AWG 26, UL 1430			

All Motor Data Values at 20°C Unless Otherwise Specified

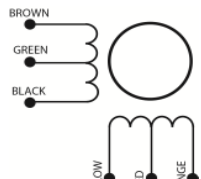
\* Energize at Rated Current, 2 Phase On



BIPOLAR COIL			
RED	GRAY	YELLOW	BLACK
+	-	+	-
+	-	-	+
-	+	-	+
-	+	+	-
+	-	+	-

Extend (down arrow)      Retract (up arrow)

VIEWED FROM OUTPUT SHAFT



UNIPOLAR COIL				
YELLOW	ORANGE	BROWN	BLACK	RED/GREEN
+	-	+	-	+
+	-	-	+	+
-	+	-	+	+
-	+	+	-	+
+	-	+	-	+

Extend (down arrow)      Retract (up arrow)

VIEWED FROM OUTPUT SHAFT