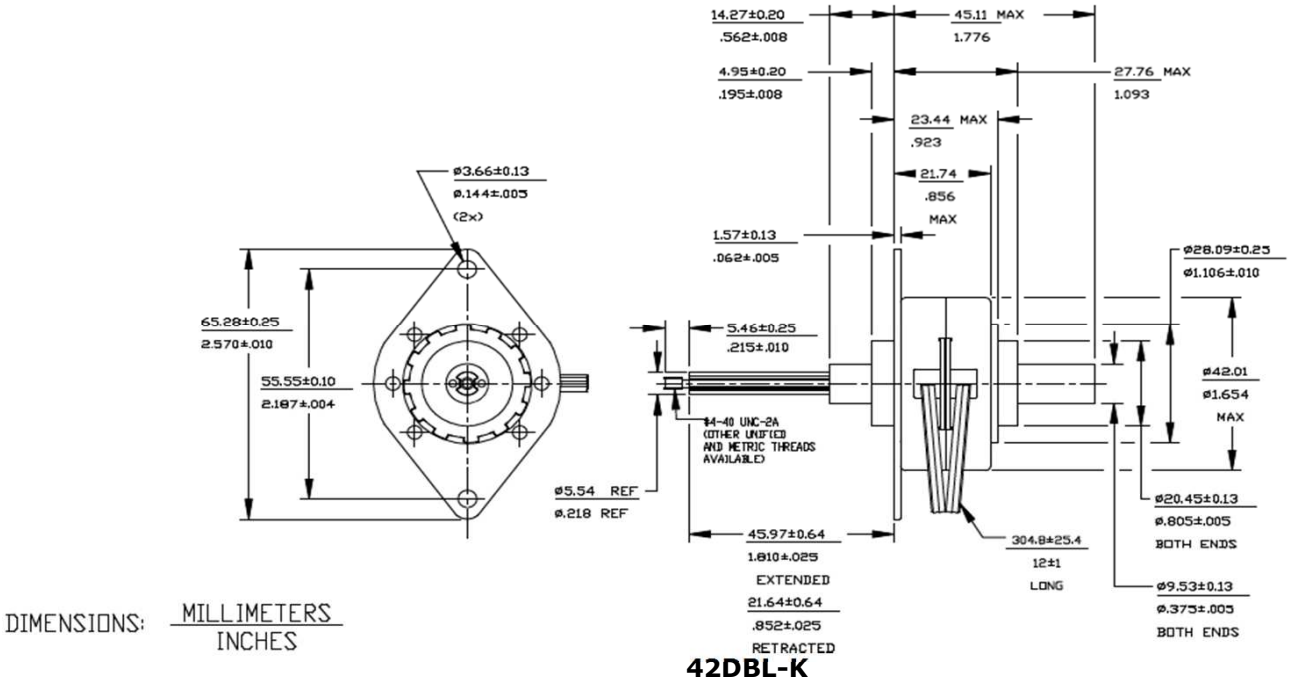
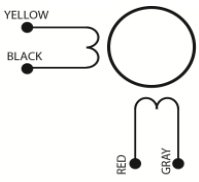


42DBL-K

Electrical Data		**42DBLXXC1B-K Bipolar**	**42DBLXXC2B-K Bipolar**	**42DBLXXC1U-K Unipolar**	**42DBLXXC2U-K 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
Coil independent parameters	**XX**					
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)	24.1 (0.95)				mm (in)
	@ .002" (0.0508mm)	24.1 (0.95)				mm (in)
	@ .004" (0.1016mm)	24.1 (0.95)				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

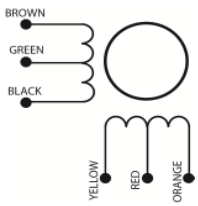
* Energize at Rated Current, 2 Phase On



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

Extend / Retract

VIEWED FROM OUTPUT SHAFT



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

Extend / Retract

VIEWED FROM OUTPUT SHAFT

(C) 2013. Portescap. Specifications subject to change without notice.