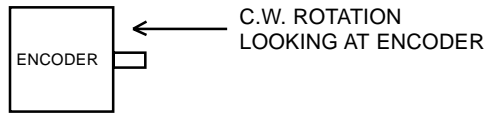
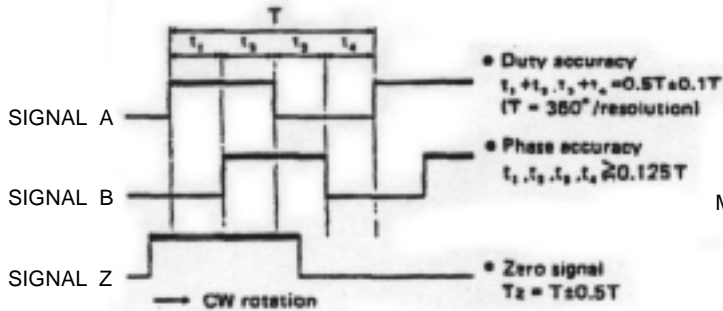


ENCODER ACCURACY



Rev.	By	Date	Description
F	WM	1/99	Updated drawing in computer format, and made notes for other encoder types.



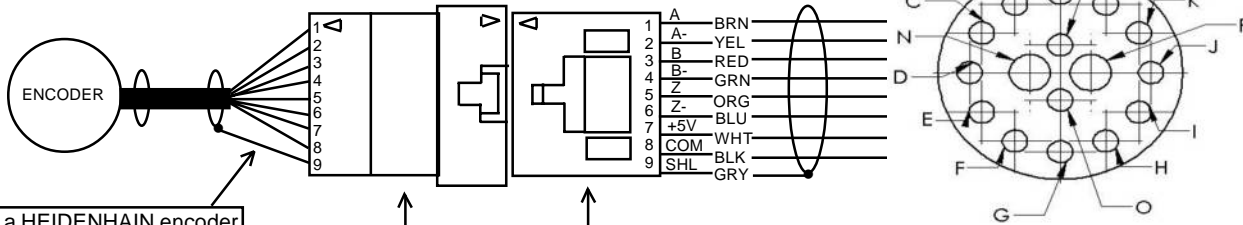
MS-3102A-24-7-P



MOTOR ROTATION IS C.C.W. WHILE OBSERVING MOTOR SHAFT WHILE FACING MOTOR MOUNTING FACE

MS connector Pin out information for MS-3102A-24-7-P (on motor)
MS-3106A-24-7-S (mating connector)
Note : use clamp on mating connector.

SIGNAL	COLOR	PIN
MOTOR (+)	RED	P
MOTOR (-)	BLACK	N
MTR CASE GRD	GREEN	G
TACH (+)	WHITE	O
TACH (-)	BLACK	M
CHANNEL A	BROWN (1)	A
CHANNEL A NOT	YELLOW (1)	B
CHANNEL B	RED (1)	C
CHANNEL B NOT	GREEN (1)	D
CHANNEL Z	ORANGE (1)	E
CHANNEL Z NOT	BLUE (1)	F
+5 V at 100 ma	WHITE (1)	H
GROUND	BLACK (1)	I
SHIELD	GREY (1)	L



Note:View From Solder Side

If you are using a HEIDENHAIN encoder **DO NOT** hook up the shield to the F2 connector on the encoder side. The reason is the Heidenhain encoder attaches the shield in the encoder body and if you hook up this shield it will hook up the shield to ground on both ends of the cable and you will have in effect no shield at all.

F2 CONNECTOR (ENCODER SIDE)
CONNECTOR P/N MOLEX PART # 70107-0008
PIN P/N MOLEX PART # 16-02-0109

F2 CONNECTOR (MOTOR SIDE)
CONNECTOR P/N MOLEX PART # 50-57-9409
PIN P/N MOLEX PART # 16-02-0097

DRAWN BY		1/99
APPROVED BY		1/99
COMPUTER FILE	C:\PM5\DWGSDWG1039A.PM5	
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	SERVO DYNAMICS CORP.		
	TITLE BRUSH MOTOR MS TO F2 & F2 TO ENCODER		
SIZE	DRAWING NUMBER	REV	DATE
	1039-A	F	1/99
SCALE	DO NOT SCALE THIS DRAWING		