

hohner

Series IN / IP30 heavy duty incremental shaft encoder up to 12 mm



I	X	3	0	-	1	2	X	X	-	X	-	X	A	0	-	X	X	X	X
Type	Shaft Size													Resolution - ppr					
N = IP 55	AA = 1/4"												Output Options						
P = IP 66	AB = 3/8"												A = none						
	06 = 6 mm												G = B leads A						
	10 = 10 mm												Output Signal						
	12 = 12 mm												1 = A						
													2 = AB						
													3 = ABO						
													4 = A & A inv						
													5 = AB & AB inv						
													6 = A & O						
													7 = ABO & ABO inv						
													Seal						
	J = double lip (IP66)												Connections						
	A = single lip (IP55)												6 = 6 ft cable (IP66)						
													7 = 12 ft cable (IP66)						
													D = 6 pole MS (IP55)						
													E = 7 pole MS (IP55)						
													L = 12 pin plug (IP55)						
													Exit						
													S = Side						
													R = Rear						

Technical Data

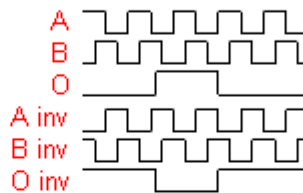
Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
Higher Temperature:	Please consult
Max frequency:	80 kHz
Current consumption:	80 mA (max.)
Power supply:	5 - 24V
Weight:	34 oz (1.0 kg)
Protection:	IP 54, 65 or 66
Housing:	Aluminum
Shaft:	Stainless Steel
Bearings:	2 x 6001 ZZ C2
Torque:	0.4 oz/in (3 N-cm)
Humidity:	Up to 98% permissible
Speed:	5000 RPM max.
Shock:	10g (6msec)
Vibration:	5g (500 Hz)
Shaft load:	Radial / Axial max 10 lbs
Line driver output max:	50 mA per channel
Max. ppr	5000


Connection Options

	6 pole	5 pole	7 pole	12 pole	Cable
PS GND	F	1	F	1	Black
PS 5 ... 24 V	D	2	D	2	Blue
Output A	A	3	A	3	Brown
Output B	B	4	B	4	Beige
Output O	C	5	C	7	Pink
Output A inv			G	5	Yellow
Output B inv			E	6	Green
Output O inv				8	Violet

Output

A is 90 degrees before B in clockwise direction



 File No. E198887

Mounting Instructions

Hook up the encoder with the connections as described. Make sure power supply meets specifications. Attach encoder to mounting bracket as shown. Attach shaft using a flexible coupling.

Dimensions

