

## Series CSH absolute single-turn analog encoder - 4 ... 20 mA output



H	B	X	X	-	3	4	X	X	-	X	X	X	X
		<u>Shaft Size</u>								<u>Resolution - ppr</u>			
		K2 = 6 x 10 mm								0360 = 1 ramp			
		K4 = 10 x 20 mm								0180 = 2 ramps			
		K5 = 12 x 20 mm								0090 = 4 ramps (ramps per turn)			
<u>IP Rating</u>						<u>Exit</u>							
HΔ = IP54						A = Axial							
HB = IP65 (standard)						<u>Connection</u>							
						1 = 2m cable							
						2 = 5m cable							
						F = 4 pin plug & socket							
						H = 12 pin plug & socket							

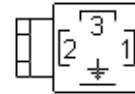
### Technical Data

Operating temp:	- 20 ...+ 60 degrees C
	- 4 ...+ 140 degrees F
On request:	- 40 degrees
Max frequency:	150 kHz
Current consumption:	50 mA (max.)
Power supply:	5 - 24V
Weight:	21 oz (0.6 kg)
Protection:	IP 65 (IP54 available)
Housing:	Aluminum
Shaft:	Stainless Steel
Bearings:	2 x 6001 - (Z) (RS)
Torque:	0.7 oz/in (5 N-cm)
Humidity:	Up to 98% permissible
Speed:	2000 RPM max.
Shock:	10g (6msec)
Vibration:	5g (500 Hz)
Shaft load:	Radial / Axial 10 N
Line driver output max:	50 mA per channel
Precision:	4096 steps per rev.
Inertia:	100 gm-cm <sup>2</sup>

### Connection Options

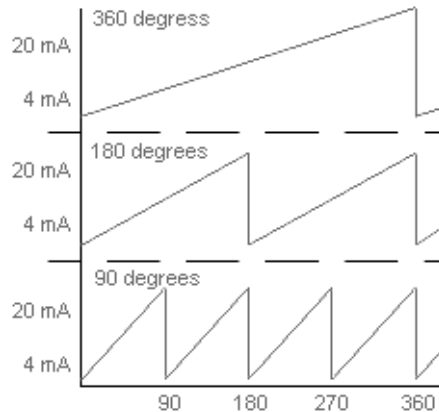
	<b>Cable</b>	<b>12 pin</b>
PS GND	Black	1
PS 24 V	Red	2
Output 4...20mA	White	3

	<b>4 pin plug</b>
PS GND	1
PS 24 V	2
Output 4...20mA	3



### Output

Count will increase in CW direction. Precision 0.05%



\*4...20mA span based on 250 ohm load

## 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

