

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



W	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>						
WA = IP54							A = Axial						
WB = IP65							R = Radial						
												<u>Connection</u>	
												1 = 2m cable	
												2 = 5m cable	
												F = 4 pin plug & socket	

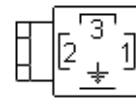
Technical Data

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 or 54
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:	3000 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 ²

Connection Options

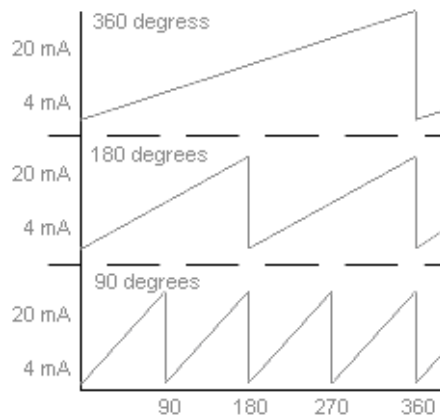
PS GND	Cable
PS 24 V	Black
Output 4...20mA	Red
	White

	4 pin plug
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

