

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



E	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>					
EA = IP54								A = Axial					
EB = IP65 (standard)						<u>Connection</u>							
						1 = 2m cable							
						2 = 5m cable							
												F = 4 pin plug & socket	

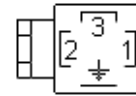
Technical Data

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 (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:	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

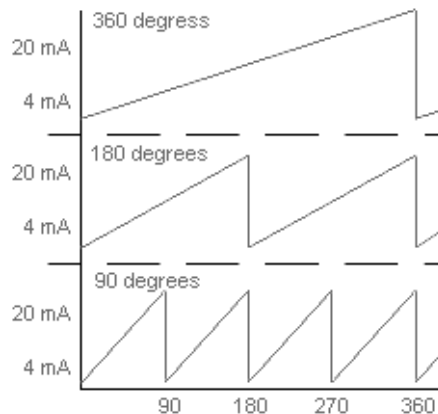
	Cable
PS GND	Black
PS 24 V	Red
Output 4...20mA	White

	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

