hohner
Elektrotechnik Werne

Series 08

Series 08 stainless steel absolute 4...20mA encoder up to 1/2"

0 8 X X - 0 6 X X - 0 X X X

Shaft Size		Resolution
10 = 10 mm		360 = 1 ramp per turn
12 = 12 mm		180 = 2 ramps per turn
		090 = 4 ramps per turn

Connection	Housing Material
1 = 2 m (6 ft) cable	S = Stainless Steel
2 = 5 m (16 ft) cable	
4 = 15 m (50 ft) cable	

Precision: 10 bits in 360 degrees, 2.84 increments / degree

IECEx c SA us EAC

Zone 0, Class 1 Div 1

Technical Data

Operating temp:	- 20 ...+ 60 degrees C
	- 4 ...+ 140 degrees F
Max frequency:	5 kHz
Supply Voltage:	24V (current loop)
Weight:	26 oz (0.75 kg)
Protection:	IP 66 / X7 M
Housing and Shaft:	Stainless Steel
Bearings:	**3** x 6803 ZZ C2
Torque:	0.8 oz/in (6 N-cm)
Shaft load:	Supports its own weight
Humidity:	Up to 100% permissible
Speed:	2000 RPM max.
Max. bits:	10 bit

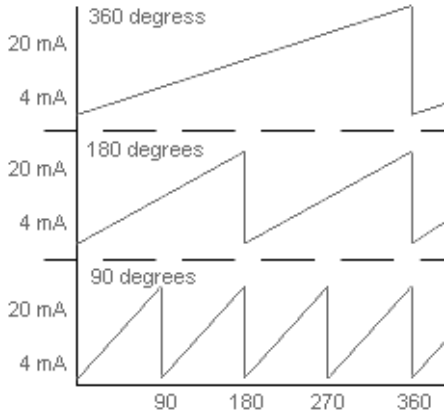
Connection Options

Cable 2 meters

+ Loop	Red
- Loop	Black

Output

Diagram is shown clockwise



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

Absolute Analogue Encoder

Certifications

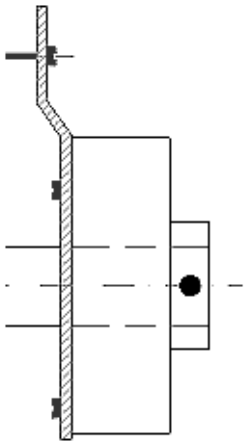
Best suited to work with the following isolators: MTL5541

IP67M
ATEX
IECEx
CSA
GOST (CU)

Mounting Instructions

Mount the tether on the machine or motor-frame. The tether can be bent to adapt to any surface. This assembly allows the encoder to float and increases the lifetime of the bearings. Connect the encoder as per wiring specifications. Make sure power supply is within the proper voltage and current rating. Encoder can be mounted with the setscrew on the machine side or on the opposite side for either CW or CCW. See datasheet for CW and CCW directions of the outputs.

Technical data for tether: 0.3 mm stainless steel sheet



Dimensions