

## Series 55 tachometer with 4 ... 20 mA output



5 5 X X - 0 5 X R - X X X X

Shaft Size  
10 = 10 mm  
12 = 12 mm  
16 = 16 mm

Connection  
1 = 2m cable  
attached to 4 pin  
F = 9412 4-pin  
plug & socket

Speed (RPM)

4mA = 0 RPM

20mA = Max RPM

Rated RPM: Min 300, Max 3000

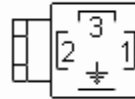


### Technical Data

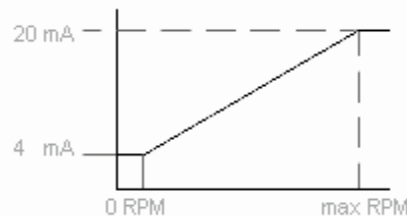
Operating temp: - 20 ...+ 60 degrees C  
- 4 ...+ 140 degrees F  
Weight: 16 oz (0.45 kg)  
Protection: IP 64S, NEMA 3  
Housing: Die Cast Zinc Alloy  
Shaft: Aluminum  
Bearings: 2 x 6805 ZZ  
Torque: 0.4 oz/in (3 N-cm)  
Humidity: Up to 98% permissible  
Max Speed: 3000 RPM max.  
Shaft load: Supports its own weight  
Precision: +/- 0.25 mA  
0 rpm = +/- 0.05mA  
1 rpm to max rpm = +/- 0.2 mA

### Connection Options

**9412**  
+ Loop 1 **Cable**  
- Loop 2 Red  
Black



### Output



## Certifications

Best suited to work with the following isolators: [MTL5541](#)

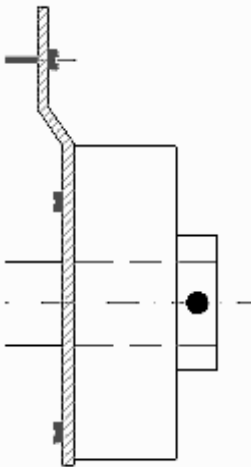
IP 64 S

ATEX [\[Certificate\]](#)

## Mounting Instructions

Mount fixture to the encoder with three self-tapping no. 8 screws and three no. 8 washers. Slide the encoder onto the shaft. With the setscrew, tighten the hollow shaft onto the shaft. 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

