

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



**Click this icon to try the new
Interactive Catalog.**

Sensing and Control

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200FW SERIES

ONE PART 5/8" PROXIMITY SENSOR

Description :

Environment-proof self-contained proximity sensor enclosed in a rugged hermetically sealed stainless steel housing, designed to meet the requirements of aerospace, ordnance, marine, mass transit and high performance industrial equipment.

Operation by Hall Effect principle, which is used to detect magnetic fields passing in front of the sensing face. Once a target is detected, a trigger signal is produced which is then passed through the output conditioning circuitry to give a high or low output, depending on the sensor application.

Features :

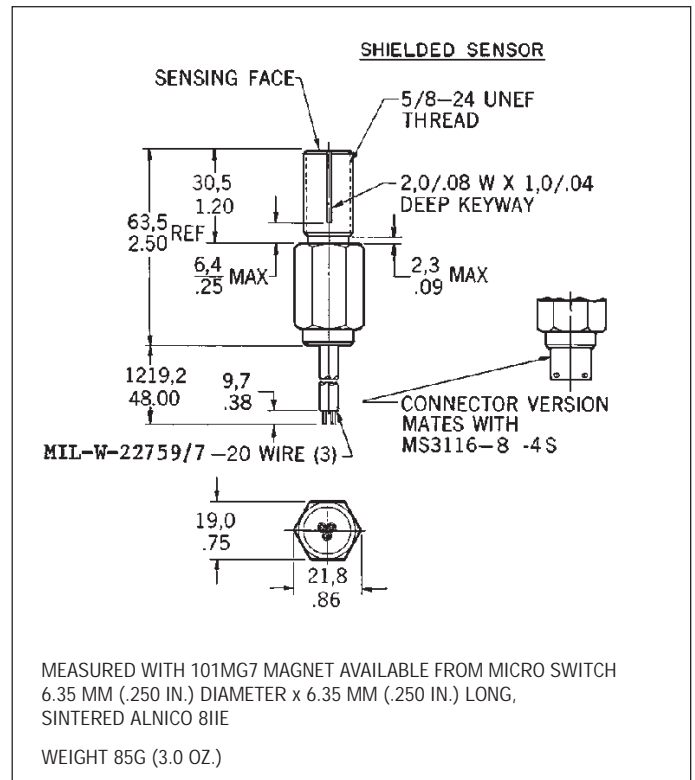
- Magnetic field sensing
- Small size 5/8" housing
- High frequency switching
- High level of electronics protection
- Leadwire or connector termination
- Factory mutual certified for Class 1, Division 2, Groups A, B, C, D.

Typical Applications :

- Aircraft landing gear
- Gun turret position control
- Door and hatch open/closed monitoring



Dimensions in mm and inches (for reference only)



Specifications

Sensing Characteristics :		
Sensor	5/8-24 UNEF Thread Shielded	
Sensing distance (mm)	2,4 to 11,4 mm	
Current sinking, Normally open	Connector 212FW10-R	Leadwire 212FW10-4
Current sinking, Normally closed	211FW10-R	211FW10-4
Repeatability, max.	± 1%	± 1%
Switching frequency	1,5 kHz	1,5 kHz
Operation Gauss. max.	550	550
With 101MG7 magnet	Characteristics can be varied by using different magnets as actuators	
Technology	Hall	
Target material	Magnet	
Reliability	High	
Speed/response time	High	
Built-in test	Limited	
Sensing Face	Stainless steel	
Power Supply :		
Supply voltage (Vs)	18-32 Vdc	
Leakage current	10 µA	
Output Characteristics :		
Voltage drop. max.	0,4 V	
Current consumption, max. (exclusive of load)	25 mA	
Load current, max.	100 mA 50 mA lamp	
Environmental Characteristics :		
Vibration	25 G peak sinusoidal	
Shock	MIL-STD-810B Method 516: 100G 1 m sec	
Salt spray	MIL-STD-810B Method 509: 5% 48 hours	
Sand and dust	MIL-STD-810B Method 510: varying temperature and velocities 28 hours	
Humidity	MIL-STD-810B Method 507: 95% RH @ 65° C	
Chemicals	Resistance to skydrol and typical aircraft fuels	
Altitude	Sea level to + 21,212 m	
Temperature range	-54 to +100° C	
Housing	Stainless steel	
Special Features :		
EMI resistance	Moderate (Note 1)	
Circuit protection	Transients, MIL-STD-704 False pulse Reverse voltage 400 Hz interference	
Notes : 1. EMI resistance can be improved by filtering, at increased cost.		
Ordering Guide		
Listing	Termination	Description
212FW10-R	Connector	Normally open, current sinking
212FW10-4	Leadwire	Normally open, current sinking
211FW10-R	Connector	Normally closed, current sinking
211FW10-4	Leadwire	Normally closed, current sinking