Honeywell

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

Honeywell Inc. 11 West Spring Street Freeport, Illinois 61032

ZS-00361 SERIES

ONE PART M12 PROXIMITY SENSOR

Description :

Environment-proof self-contained proximity sensor enclosed in a rugged hermetically sealed ceramic/stainless steel housing, designed to meet the requirements of ground mobile and naval applications.

Operation by the Eddy Current Killed Oscillator (ECKO) principle, which is used to detect metallic objects passing in front of the sensing face. Once a target metal 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.

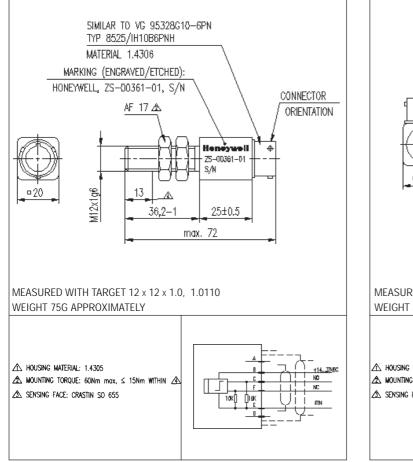
Features :

- All metal sensing
- Small size M12 housing
- Integral VG95328 connector
- High level of electronics protection

Typical Applications :

- Ship gun controls
- Door and hatch open/closed monitoring
- Aircraft carrier landing platforms

Dimensions in mm (for reference only)





SIMILAR TO VG 95328G10-6PN

TYP 8525/IH1086PNH

MATERIAL 1.4306

CONNECTOR ORIENTATION

	CONNECTOR ORIENTATION
ECTOR INTATION	AF 17 A Heneywell 25-00361-02 5/N -20 -20 -20 -20 -20 -20 -20 -20
	MARKING: (ENGRAVED/ETCHED)
	HONEYWELL, ZS-00361-02, S/N
	MEASURED WITH TARGET $12 \times 12 \times 1.0$, 1.0110 WEIGHT 85G APPROXIMATELY
+142000 NO NC I RIN Z	

Specifications

Sensing Characteristics :	Level	Specification (Note 1)
Iominal sensing distance	2 mm	
ffective sensing distance	1.8 to 2.2 mm	
Differential travel	1 to 15 %	
Minimum operating distance	1.70 mm	
Maximum release distance	3.17 mm	
Reproduceability	≤ 10 %	
Repetition rate of sensing	2000 Hz	
Power on delay	≤ 10 ms	
Power-on false pulse	tfp 30% \leq 25 at R _I = 1 kOhm	
Electrical Specifications :		
Power Supply -		
Supply voltage	14 to 33 V	
Ripple voltage	≤ 7 V	MIL-STD-1275 A (AT)
Surge voltage	100 V in 50 ms	MIL-STD-1275 A (AT)
Transients	250 V in 50 μs	MIL-STD-1275 A (AT)
Burden current	≤ 20 mA	
Output -		
Voltage drop	≤ 3 V	
Residual current	≤ 100 μA	
Load current	≤ 80 mA	
		I
Reverse polarity protection	yes	
Short circuit protection	yes	
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Environmental Specifications :		
Operating temperature range	-25° to +85° C	IEC68-2-1 / IEC 68-2-2
Storage temperature	-40° to +100° C	IEC68-2-1 / IEC 68-2-2
Rapid change of temperature	-55° / +85° C 3 cycles	IEC68-2-14 Na
Vibration	10 to 500 Hz, 0.75/100 ms ⁻²	IEC68-2-6 Fc
Shock	4000 ms ⁻² /11ms	IEC68-2-27 Ea
Salt mist	pH 6.5-7.2 at +35° C	IEC68-2-11 Ka
Insulation resistance	≥ 50 MOhm at 500 Vdc	
Grounding resistance	≤ 5 m0hm at 100 mA	
Special Features :		
EMI (Note 2)	Class A3, A4	MIL-STD-461B
EMI (Note 2)	Category B	DEF 07-55, T2, S5
(/		52. 57 557 127 55
Mean Time Between Failure prediction	140000 hrs at 20°C GM application	MIL-HDBK 217E
Notes : 1. Unless otherwise stated, tested to or by similarity to I 2. CE03, CS01, CS06, RE01, RE02, RS01, RS02, RS03,	Honeywell internal specifcations 50 kV/m, 130A/m	
	Description	
Ordering guide Listing ZS-00361-01	Normally open/Normally closed, current sourcing wit	th
Listing		