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.

These PDF files are no longer being updated and will be removed by January 2001.



Click this icon to try the new Interactive Catalog.

Sensing and Control

Honeywell Inc.

11 West Spring Street

Freeport, Illinois 61032



ZS-00240-03B

ONE PART M30 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:

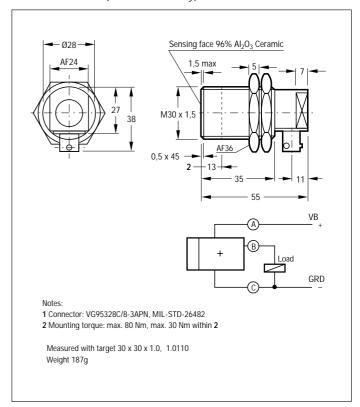
- All metal sensing
- Rugged M30 housing and connector assembly
- High level of electronics protection

Typical Applications:

- Ammunition loading systems
- Gun turret position control
- Door and hatch open/closed monitoring



Dimensions in mm (for reference only)



Specifications

8 7,2 to 8,8 3 to 20 ±10 within -25° to +70° C b/-10 within -55° C to +85° C ≤1 ≥1000 ≤10 0 30% ≤25 @ RL = 1 KOhm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ ≤10	Measuring method (Note 1) MIL-STD-1275 A(AT) MIL-STD-1275 A(AT) MIL-STD-1275 A(AT)
7,2 to 8,8 3 to 20 ±10 within -25° to +70° C √-10 within -55° C to +85° C ≤1 ≥1000 ≤10 5 30% ≤25 @ R _L = 1 KOhm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT) MIL-STD-1275 A(AT)
3 to 20 ±10 within -25° to +70° C 1/-10 within -55° C to +85° C ≤1 ≥1000 ≤10 ⇒ 30% ≤25 @ R _L = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
±10 within -25° to +70° C 1/-10 within -55° C to +85° C ≤1 ≥1000 ≤10 ⇒30% ≤25 @ RL = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
V-10 within -55° C to +85° C ≤1 ≥1000 ≤10 30% ≤25 @ R _L = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
≤1 ≥1000 ≤10 ₃ 30% ≤25 @ R _L = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 µ	MIL-STD-1275 A(AT)
≥1000 ≤10 ₀ 30% ≤25 @ RL = 1 KOhm 14 to 33 ≤7 100 V 50 ms 250 V 50 µ	MIL-STD-1275 A(AT)
≤10 s 30% ≤25 @ RL = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 µ	MIL-STD-1275 A(AT)
o 30% ≤25 @ RL = 1 K0hm 14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
14 to 33 ≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
≤7 100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
100 V 50 ms 250 V 50 μ	MIL-STD-1275 A(AT)
250 V 50 μ	
	WILE-31D-1273 A(A1)
210	
≤3	
≤100	
+70° C lin falling to 150 @ +85° C	
FF 1- 0F	150 (0.0.4/150 (0.0.0.
	IEC 68-2-1/IEC 68-2-2
	IEC 68-2-8/IEC 68-2-2
	IEC 68-2-3. Ca
	IEC 68-2-30. Db
	IEC 68-2-14. Na
	IEC 68-2-6. Fc
· · · · · · · · · · · · · · · · · · ·	IEC 68-2-29. Eb
	IEC 68-2-27. Ea
•	IEC 68-2-11. Ka
≤20 @ 100 ma	
Yes	
Yes	
0 hrs @ +20° C, GM application	MIL-HDBK 217E