

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.
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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.

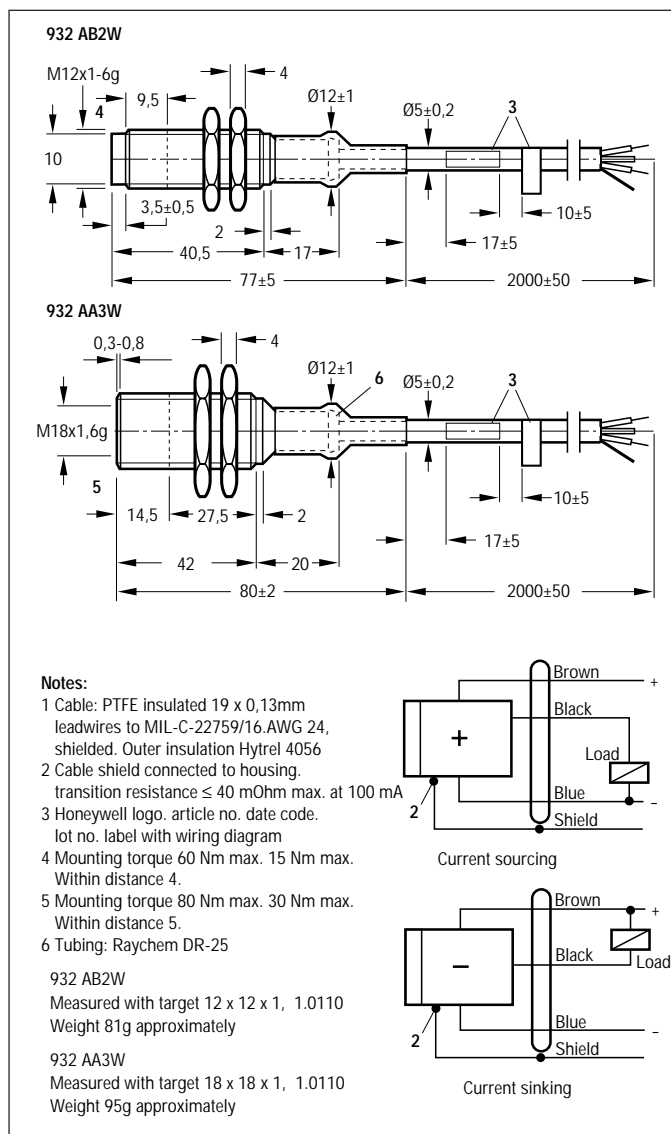
Features :

- All metal sensing
- High frequency switching
- 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)



Ordering guide	
Listing	Description
932AB2W-A2P-PGM	Normally open, current sourcing
932AA3W-A2P-PGM	Normally open, current sourcing
932AB2W-A2N-PGM	Normally open, current sinking
932AA3W-A2N-PGM	Normally open, current sinking

932-AB2W-A2P-PGM	+12.5/-5 within -25° C to +70° C	
	+30/-5 within -40° C +100° C	
932-AA3W-A2P-PGM	+10/-5 within -25° C to + 70° C	
	+30/-5 within -40° C to +100° C	
Differential travel (%)		
932AB2W-A2P-PGM	2 to 20	
932AA3W-A2P-PGM	3 to 20	
Reproduceability (%)	≤1	
Operating frequency (Hz)	≥2000	
Power-on delay (ms)	≤10	

Power Supply :

Supply voltage range (V)	20 to 33	
Ripple (V)	≤7	MIL-STD-1275 A(AT)
Surge voltage (V)	100 in 50 ms	MIL-STD-1275 A(AT)
Transients (V)	250 in 50 μs	MIL-STD-1275 A(AT)
Burden current (mA)	≤10	

Output Characteristics :

Voltage drop (V)	≤3	
Residual current (μA)	≤100	
Load current (mA)	≤200 up to 85°C lin falling to 100 at 100°C	

Environmental Characteristics :

Operating temperature range (°C)	-40 to +100	IEC 68-2-1/IEC 68-2-2
Storage temperature (°C)	-55 to +100	IEC 68-2-8/IEC 68-2-2
Damp head, steady state (days)	56	IEC 68-2-3. Ca
Damp heat, cyclic	6 cycles at 55° C	IEC 68-2-30, Db
Rapid temperature change	-55 to +85° C for 5 Cycles	IEC 68-2-14, Na
Vibration	10 to 500 Hz at 0.75 to 100 ms ⁻²	IEC 68-2-6, Fc
Bump	400 ms ⁻² at 6 x 4000 bumps	IEC 68-2-29. Eb
Shock	1000 ms ⁻² at 6 ms	IEC 68-2-27, Ea
Robustness of terminations: Tensile (N)	40	
Insulation resistance (MOhm)	≥50 at 500 Vdc	
Insulation voltage (Vrms)	≥ 1000 at 1 min	
Icing/freezing rain	Sensing characteristics not affected	521.0 MIL-STD-810D
Leakage (2 hour immersion)(kPa)	98	521.2 MIL-STD-810D
Contamination resistance	Engine, gearbox oil, water, sea water, aviation fuel, ethanol and methanol	DEF 133. CLAUSE 14.3

Special Features :

Reverse polarity supply leads	Yes	
Short circuit protection	Yes	
EMI	Class A3, A4	MIL-STD-461B
EMP	Category B	DEF 07-55, T2,S5
MTBF prediction	144000 h at 20°C. NU/GM application	MIL-HDBK 217E

Notes :

1. Unless otherwise stated, tested to or by similarity to Honeywell internal specifications

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