



Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

## ZS - 00361 - 12

One Piece Sensor, Harsh Environment 4 - wire dc, Special, Stainless steel, Crastin (Plastic), NO NC Current Source, 14 Vdc to 33 Vdc, ZS Series

### Features

- ? All Metal Sensing
- ? Small housing
- ? 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

### Description

Environment - proof self - contained proximity sensor enclosed in a rugged stainless steel housing, designed to meet the requirements of aerospace, ordnance, marine, mass transit and high performance industrial equipment. Operation by the Eddy Current Killed Oscillator (ECKO) principle, which is used to detect metal 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.

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Product Specifications	
Packaging	One Piece Sensor
Sensor Type	Harsh Environment
Weight	75 g [2.6 oz]
Shape	Special
Dimension	M12
Technology	ECKO
Operating Frequency	2000 Hz
Load Current	80 mA
Supply Current	20 mA
Housing Material	Stainless Steel
Sensing Face	Crastin (Plastic)
Gd (mm)	2.91
Operating Temperature Range	-25 °C to 85 °C [ -13 °F to 185 °F]
Shock	400g 11ms
Vibration	*
Supply Voltage	14 Vdc to 33 Vdc
BITE Yes/No	No
Short Circuit Yes/No	Yes
Pressure proof Yes/No	No
Reverse polarity Yes/No	Yes
MTBF (hrs)	140000
Conducted suscept	Mil- STD- 461B
Conducted emission	Mil- STD- 461B
RF suscept	Mil- STD- 461B
RF emission	Mil- STD- 461B
LEMP	DEF 07 - 55, T2, S5
Insulation Resistance	50 Mohm @ 500Vdc
Comments	*Freq range 10 to 500Hz, Cross Over Freq (COF) 58 - 62Hz, 0.75ms - 2 below COF 100ms - 2 above COF
Termination	Connector
Connector Type	VG95328G10 - 6PN
Guaranteed Actuation Distance	1 mm to 1.99 mm [0.039 in to 0.078 3 in]
Output Type	Normally Open/Closed, Current Sourcing
Series Name	ZS Series

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### **⚠ WARNING**

#### PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **⚠ WARNING**

#### MISUSE OF DOCUMENTATION

- ? The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- ? Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**