



Home > Products > Environmentally Sealed Proximity Sensors > ZS > Product Page

### ZS-00398-02



Actual product appearance may vary.

**One Piece Sensor, Harsh Environment  
3-wire dc, Special, Stainless steel,  
Crastin (Plastic), NO Current Sink, 14  
Vdc to 32.5 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.

#### Potential Applications

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

#### Description

Environmentproof 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.

#### Supporting Documentation

None Available

Product Specifications	
Packaging	One Piece Sensor
Sensor Type	Harsh Environment
Weight	140 g [5 oz]
Shape	Special
Dimension	16mm
Technology	ECKO
Cable Length	1930 mm [80 in]
Load Current	100 mA
Supply Current	20 mA
Housing Material	Stainless Steel
Sensing Face	Crastin (Plastic)
Gd (mm)	7.27
Guaranteed Actuation Distance	4 mm to 4.99 mm [0.1574 in to 0.19646 in]
Operating Temperature Range	-40 °C to 85 °C [ -40 °F to 185 °F]
Shock	6g*
Vibration	ABD0007 Cat 3 (J/C)
Supply Voltage	14 Vdc to 32.5 Vdc
BITE Yes/No	No
Short Circuit Yes/No	Yes
Reverse polarity Yes/No	Yes
MTBF (hrs)	120000
Altitude pressure	-1500ft to 35000ft*
Conducted suscept	RTCA/DO -160C
Conducted emission	RTCA/DO -160C
RF suscept	RTCA/DO -160C
RF emission	RTCA/DO -160C
LEMP	ABD0007
Insulation Resistance	100 Mohm @ 45 V
Termination	Leadwire
Output Type	Normally Open, Current Sinking
Series Name	ZS

#### My Links

- Login to iCOM
- Login as Rep/AD
- Login as Guest
- Login to Digital University

#### Keyword Search

Search for product and support information.

All Sensing and Control

#### Product Search

Part number search:

Use (\*) to expand search

Specification Search