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ZS-00367-01



Actual product appearance may vary.

One Piece Sensor, Harsh Environment 5-wire dc, Special, Aluminium, Crastin (Plastic), NO Current Sink, 14 Vdc to 32.5 Vdc, ZS Series

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Features

Hall effect, magnetic field sensitive
 High frequency switching
 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 Hall Effect principle, which is used to detect magnetic fields 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	60 g [2.1 oz]
Shape	Special
Dimension	10mm
Technology	ECKO
Load Current	600 mA
Supply Current	10 mA
Housing Material	Aluminium
Sensing Face	Crastin (Plastic)
Gd (mm)	6.07
Guaranteed Actuation Distance	3 mm to 3.99 mm [0.118 in to 0.157 in]
Operating Temperature Range	-40 °C to 70 °C [-40 °F to 158 °F]
Shock	6g
Supply Voltage	14 Vdc to 32.5 Vdc
BITE Yes/No	No
Short Circuit Yes/No	Yes
Pressure proof Yes/No	No
Reverse polarity Yes/No	Yes
MTBF (hrs)	120000
Altitude pressure	-1000ft to 10000ft
Conducted suscept	RTCA/DO -160C
Conducted emission	RTCA/DO -160C
RF suscept	RTCA/DO -160C
RF emission	RTCA/DO -160C
LEMP	ABD 0007, 3 -22,1 -4
Insulation Resistance	100 Mohm @ 45 V
Connector Type	FR8525 -10 N 10B6 PNH
Output Type	Normally Open, Current Sinking
Series Name	ZS

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