



Product Release

PMA Aeroparts P/N 80-057-01AP, Proximity Sensor

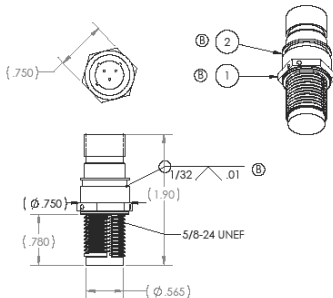
FAA Approved Replacement for

Crane Eldec 80-057-01



PARAMETER	SPECIFICATION
Weight	1.5 or maximum
Construction	Stainless Steel
Electrical	MIL-D-38999/26FA98SN Connector
Input Current @ Voltage (min)	7 mA @ 16V dc
Power on Delay	500ms (max)
Case Isolation	> 10M Ohm at 500 V dc
Ambient Operational Temperature Range	-67 to 227°F
Actuation Gap	G1 0.100 in G2 0.150 in
Vibration	1.30 g peak sinusoidal
Shock	500g, 3.0ms duration

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
B1	A	ADDED SHT 2 & E SIGNATURES	8/1/17	MGH
B1	B	UPDATED	8/11/2017	MGH



NOTES:
TEST PER ATP-80-057-01AP
MARK PART PER FAA 14 CFR 45.15 WITH THE FOLLOWING:

"FAA PMA"
"PMA AEROPARTS"
"80-057-01AP"
"SR# XXXXX"

OBTAIN SR# FROM QA PRIOR TO MARKING

<p>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PMA AEROPARTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PMA AEROPARTS IS PROHIBITED.</p>	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS: ±0.010 DECIMALS: ±0.005 HOLE POSITION: ±0.010 HOLE DIA: ±0.005 HOLE DRILL: ±0.005 HOLE TAP: ±0.005 HOLE REAM: ±0.005 HOLE POLISH: ±0.005	NAME: SWS DATE: 5/24/2017 DRAWN: SWS CHECKED: SWS DATE: 4/1/17 ENG APPR: MGH DATE: 4/1/2017 MFG APPR: N/A DATE: N/A QA: PW DATE: 4/1/17	PMA Aeroparts TITLE: SENSOR, PROXIMITY SIZE: A DWG. NO.: 80-057-01AP SCALE: 2:1 WEIGHT: SHEET 1 OF 2
	APPLICATION: DO NOT SCALE DRAWING USED ON: INHSI	NAME: SWS DATE: 5/24/2017 DRAWN: SWS CHECKED: SWS DATE: 4/1/17 ENG APPR: MGH DATE: 4/1/2017 MFG APPR: N/A DATE: N/A QA: PW DATE: 4/1/17	PMA Aeroparts TITLE: SENSOR, PROXIMITY SIZE: A DWG. NO.: 80-057-01AP SCALE: 2:1 WEIGHT: SHEET 2 OF 2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	See Sheet 1	-	-

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	000-007-001	HOUSING	1
2	38992SYA98PN1232	CONNECTOR, MIL-STD	1
3	000-007-100	ELECTRONICS ASSEMBLY	1

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PMA Aeroparts announces the release of our latest FAA PMA product, Proximity Sensor P/N 80-057-01AP. This product is an approved replacement for the Crane-Eldec 80-057-01. This Sensor is used on the Embraer EMB-135 Series, EMB-145 Series and Boeing 777 aircraft. This PMA was granted on the basis of Test and Computation per 14 CFR 21.303. In addition to the testing completed as part of this PMA application process for the FAA, PMA Aeroparts conducted additional ESS (Environmental Stress Screening) to ensure that the Proximity Sensor produced by PMA Aeroparts would substantially exceed the service requirements of this sensor.

This ESS testing consisted of the following tests, conducted at an independent test lab.

Test	Standard	Method	Procedure
Hi temp cycling	MIL-STD-810G (2008)	501.5	Procedure II – Operational
Lo temp cycling	MIL-STD-810G (2008)	502.5	Procedure II – Operational
Ice/Freezing Rain	MIL-STD-810G (2008)	521.3	Procedure 1.2(a)
Salt Fog	MIL-STD-810G (2008)	509.5	48 Hours at 5% Concentration
Temperature Shock	MIL-STD-810G (2008)	503.5	Procedure 1-C – Multi-cycle shocks from constant extreme temperature

The full test report is available upon request.

The PMA Aeroparts 80-057-01AP is available exclusively through our distributor, Norcross Air, Inc.