



# PRODUCT RELEASE

*PMA Aeroparts P/N 8-405-34AP, Proximity Sensor  
FAA Approved Replacement for  
Crane Eldec 8-405-34*



PMA Aeroparts announces the release of our latest FAA PMA product, Proximity Switch P/N 8-405-34AP. This product is an approved replacement for the Crane-Eldec 8-405-34. This Proximity Switch is used throughout various locations in the Bombardier CL-600-2B19, CL-600-2C10, CL-600-2C11, CL-600-2D15, CL-600-2D24 and CL-600-2E25 series aircraft.

The PMA Sensors numerous improvements over the OEM and other PMA sensors include improved material selection for wiring boot and improved circuit design to allow for temperature compensation.

Original OEM Issue	Design improvement
Moisture Intrusion through wiring entry	Improved material selection for wiring boot



Instability at temperature extremes

Improved circuit design to allow for internal temperature compensation, resulting in stabilized functionality across temperature ranges.

This PMA was granted on the basis of Test and Computation per 14 CFR 21.303.



U.S. Department of Transportation  
Federal Aviation Administration

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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PMA No.: PQ04309CE  
Supplement No.: 17  
Date: April 16, 2020

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Switch, Proximity	8-405-34AP	8-405-34	Test & Computation per 14 CFR 21.303 DWG No: 8-405-6AP Rev: IR Date: 5/28/2019 or later FAA-approved revisions	Bombardier	CL-600-2B19 series 100, 200, and 440; CL-600-2C10 series 700; CL-600-2C11 series 550; CL-600-2D15 series 705; CL-600-2D24 series 900; CL-600-2E25 series 1000

-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

**RICKY L JONES**

Digitally signed by RICKY L JONES  
Date: 2020.04.20 09:44:31 -04'00'

(for) Christina M. Underwood  
Manager, Atlanta ACO Branch

**JOHN C KOLIN**

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Date: 2020.05.11 15:51:42 -04'00'

John Kolin  
Manager, Orlando MIDO Section  
System Oversight Division



PMA Aeroparts

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