

Advanced power management

Seat actuator electronic control unit (ECU)



The ECU contains all the power generating system components to control the brushed motor used for cockpit seat actuation.

Our ECU delivers power to the motor—this electrical actuation system allows to control the adjustment of the pilot or copilot seat. The actuation system provides comfort with an attractive price. The ECU has been developed for the Airbus and Boeing market and can also be integrated in all kinds of aircrafts.

It includes the following functions:

- > 150 W power supply for drive actuator
- > EMI filter to meet Boeing requirements
- > Protection against over current, over voltage, under voltage and over temperature
- > Internal fault diagnostic (BITE)

Key features

- Optimised design-to-cost architecture
- 28 Vots direct current (Vdc) input
- H-bridge command for brushess machine

Applications

- Boeing civil aircraft

Contact

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Specifications

Electrical

Input voltage 28 Vdc

H-bridge brush machine control
 outputs:
 150W/ 2phases to brushed
 machine
 Electrical brake

Physical

Width 100 mm

Height 60 mm

Depth 210 mm

Weight 800 g

Environmental

Temperature -15°C to +70°C (normal operating conditions)
 -40°C to +85°C (extended during 1 hour operating conditions)

Certification approvals DO254 level D
 RTCA/D0160F
 ABD100.1.8
 787B3-0147 RevC

Note: Due to continuous process improvement, specifications are subject to change without notice

Functional diagram

