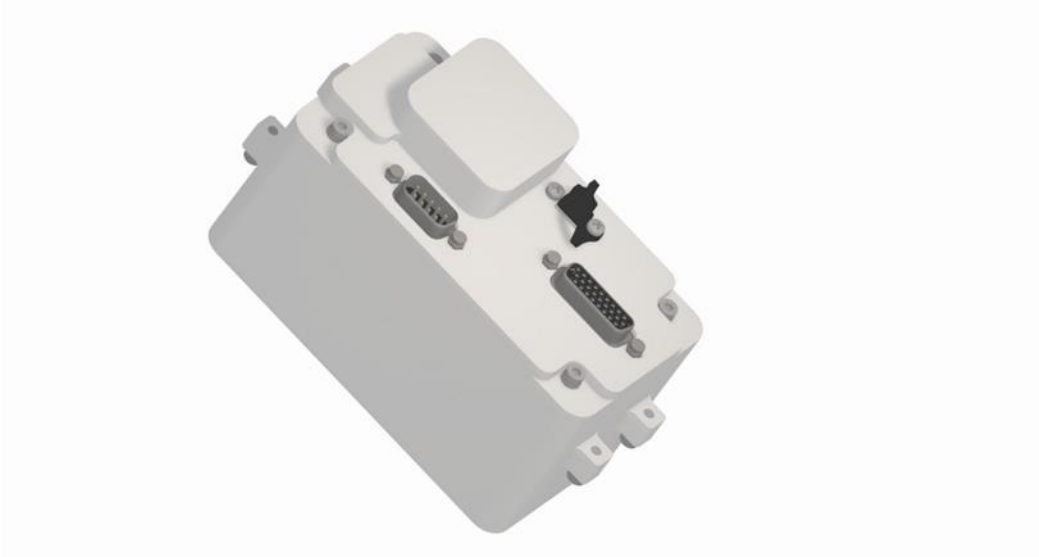
Advanced power management

New 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 system allows to control the adjustment of the pilot or co-pilot seat making the pilot seat easily adjustable-With these new features driven by the desire to provide greater comfort as well as an attractive design.

The new seat actuator ECU has been developed for the Airbus and Boeing market and can also be integrated in all kinds of aircrafts.

The new generation of actuation system provides the latest features:

- smaller
- 20% lighter
- compact

It includes the following functions:

> EMI filter to meet Airbus and Boeing requirements

> Protection against over current- over voltage- under voltage and over temperature

> Internal fault diagnostic （BITE）

> Input power distribution and communication buses for optional equipment

（keyboard, light etc）

Key features

- Optimised design-to-cost architecture
- 28 Volts direct current （Vdc） input
- Pulse-width modulation command for brushed machine

Applications

- Airbus civil aircraft
- Boeing civil aircraft

Contact

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Specifications

Electrical		
	Input voltage	28 Vdc
	Pulse-width modulation brushless machine control Outputs: 150 W/3phases to brushless direct current electric motor （BLDC）	
Physical		
	Width Height Depth	116 mm 73.5 mm 61 mm
	Weight	390 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