



Smart connector for power applications.

Aeronautic Defense

The smart **H-PAC** is a power connector integrating active electronics allowing real-time analysis, according to the configurations defined by the user, of the sensor data (temperature and current) integrated into the connector. The Bluetooth Low Energy (BLE) protocol is used to transmit data, thus limiting energy consumption and allowing the visualization of information in a dedicated and portable application.



ADVANTAGES

- Compact and integrated
- Easy to install and to configure
- Designed to be used in harsh environments
- High precision

TECHNICAL CHARACTERISTICS

POWER SUPPLY

DC power supply voltage: 28V (Category B)

COMMUNICATION INTERFACES

BLE V4.2 WIFI (in future) Export file format: CSV Storage: +20 000 measurements Acquisition and control software: Windows 10+



For more information, please contact the Amphenol Air LB Business Development team: bdm@amphenol-airlb.fr

MARKETS

- Aeronautic
- Defense
- Urban air mobility (Drone, UAV, eVTOLs)
- Ground testing





POSSIBLE APPLICATIONS

- Predictive and preventive maintenance
- Real-time control in critical environments
- Critical level alerts
- Product traceability

SENSORS INTERFACE

Temperature sensor: -55°C to +150°C ±0.3°C 3 current sensors 250 kHz IMC-Hall®: ±400A ±2%

ENVIRONMENTAL CONDITIONS OF THE TESTS

Standard: RTCA DO-160G Operating temperature: -40°C to +105°C Thermal cycle test - Category C: 2°C/min (-40°C to +105°C) ESD: 15KV EMI/EMC: RTCA DO-160G - Section 20 - Radio Frequency Susceptibility (Radiated and Conducted): Category T - Section 21 - Emission of Radio Frequency Energy (Radiated and Conducted): Category M

Your partner for high performance connectors and attachment systems



unvice Clients - 2 rue Clément ADER. Zac de Wé - 08110 Carignan - ERANCI

pht to 8 0 uded in this catalogue is subject to change. AIRBUS S.A.S. 2013 – photo by

Service Clients - 2 rue Clément ADER, Zac de Wé - 08110 Carignan - FRANCE Tél : +33 (0)3 24 22 32 66 - service-client@amphenol-airlb.fr - www.amphenol-airlb.fr

FLYER 01/25 - V1.0