

# Certificate



Functional  
Safety

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**No.: 968/FSP 2457.00/23**

**Product tested** Battery Monitoring IC      **Certificate holder** Analog Devices Inc.  
One Analog Way  
Wilmington, MA 01887  
USA

**Type designation** ADBMS6830MWFS / ADBMS6830WFS  
For the precise identification of certified product versions see current revision list.

**Codes and standards** ISO 26262-2:2018      ISO 26262-7:2018, Clause 5  
ISO 26262-5:2018      ISO 26262-8:2018

**Intended application** The ADBMS6830 is a Battery Monitoring IC developed as a SEooC intended for the measurement of voltages of up to 16 battery cells connected in series. The assumed Automotive Safety Integrity Level for the measurement of cell voltages and temperatures is ASIL D.

In addition to the above listed standards, ISO 26262-4, -9 and -11 were used to support the evaluation.

**Specific requirements** The assessment does not cover the requirements of ISO 26262-7, Clause 6 (Production). Furthermore, EMC and environmental tests need to be implemented by the integrator.

The product has to be integrated and used according to the requirements of the safety manual as well as the data sheet.

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP2 V1.0:2017 in its actual version, whose results are documented in Report No. 968/FSP 2457.00/23 dated 2023-02-27. This certificate is valid only for products, which are identical with the product tested. Issued by the certification body accredited by DAkkS according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope listed in the annex to the accreditation certificate D-ZE-11052-02-01.

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Köln, 2023-03-01

Certification Body Safety & Security for Automation & Grid

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