

Certificate



Functional
Safety

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ID 060000000

No.: 968/FSP 2530.00/23

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

Type designation ADuCM342WFS
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
ISO 26262-6:2018

Intended application The ADuCM342WFS is a Battery Monitoring IC intended for the measurement of battery current, voltage and temperature of a 12V battery in Automotive applications. The Battery Monitoring IC complies with the requirements of ASIL C w.r.t. the avoidance of systematic faults. The calculated Hardware Safety Metrics on IC level fulfil the target values of ASIL B for SPFM / LFM.

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, the data sheet as well as the hardware reference manual.

The issue of this certificate is based upon an evaluation in accordance with the Certification Programs CERT FSP2 V1.0:2017, CERT FSP2 V1.0:2017 in their actual version, whose results are documented in Report No. 968/FSP 2530.00/23 dated 2023-04-04. 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.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
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Köln, 2023-04-12

Certification Body Safety & Security for Automation & Grid

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