

ZERTIFIKAT CERTIFICATE

Hiermit wird bescheinigt, dass die Firma / *This certifies, that the company*

Analog Devices Inc.
One Analog Way
Wilmington, MA 01887
USA

berechtigt ist, das unten genannte Produkt mit dem abgebildeten Zeichen zu kennzeichnen.
is authorized to provide the product mentioned below with the mark as illustrated.

Beschreibung des
Produktes:
(Details s. Anlage 1)
Description of product:
(Details see Annex 1)

**Automotive Wireless Battery Management
System**

Sentinel wBMS

Geprüft nach:
Tested in accordance with:

ISO/SAE 21434:2021-08



Registrier-Nr. / *Registration No.* 44 136 13082149
Prüfbericht Nr. / *Test Report No.* TNM_8119218419-D03-CSA-R_V1.0
Aktenzeichen / *File reference* 8003030776 / 3532 1578

Gültigkeit / *Validity*
von / *from* 2022-04-15
bis / *until* 2025-04-14



Zertifizierungsstelle
der TÜV NORD CERT GmbH

Essen, 2022-04-15

ANLAGE ANNEX

Anlage / Annex 1

Registrier-Nr. / Registration No. 44 136 13082149

Produktbeschreibung: <i>Product description</i>	Automotive Wireless Battery Management System
Prüfgegenstand: <i>Test Object</i>	Sentinel wBMS
Produktbeschreibung: <i>Product description</i>	Sentinel wBMS is a purpose-built secure system solution, tailored for automotive battery management systems. Security is designed in through a systematic threat assessment and risk analysis of the battery lifecycle.
Prüfresultatdetails: <i>Detailed Assessment Results</i>	The cyber security activities performed during the out of context development have been assessed in accordance to CAL4 requirements defined in the informative Annex E of ISO/SAE 21434:2021.
Grenzen der Evaluierung: <i>Assessment boundaries</i>	The performed assessment confirms that the product has been developed as an out of context component in accordance with the requirements of the ISO/SAE 21434:2021.
Hard- und Softwarestände <i>Hard- and Software Version</i>	Technical data: The validity of the assessment is only given for the following versions: HW Version: ADRF8800WASWZ - Battery Standalone node Radio System on Chip ADRF8850WASWZ - Network Manager Radio System on Chip ADBMS68xx - Ultra accurate Cell Monitor ADBMS295x/LTC2949 - Ultra accurate Pack Monitor SW version WBMS Standalone Node Executable Rel.1.2.0.262 WBMS Network Manager Executable Rel.1.2.0.262 WBMS Interface Library Rel.1.2.0.262



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