

# Certificate



Functional  
Safety

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**No.: 968/FSP 2652.00/24**

<b>Product tested</b>	Diagnostic Software	<b>Certificate holder</b>	Renesas Electronics Corporation 3-2-24 Toyosu Koto-ku Tokyo 135-0061 Japan
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<b>Type designation</b>	IEC 61508 SIL 3 -Compliant RX Family Diagnostic Software as listed in the current Revision List		
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<b>Codes and standards</b>	IEC 61508-1:2010 IEC 61508-2:2010	IEC 61508-3:2010
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<b>Intended application</b>	The IEC 61508 SIL 3-Compliant RX Family Diagnostic Software complies with the requirements of SC 3 acc. to IEC 61508 and can be used as a compliant software item in safety related applications up to SIL 3 acc. to IEC 61508. The claimed diagnostic coverage of 90% (medium) for the CPU and RAM tests and 99% (high) for the ROM test can be confirmed.		
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<b>Specific requirements</b>	The instructions of the Safety Manual and the User Guide shall be considered.		
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The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V3.0:2020 in its actual version, whose results are documented in Report No. 968/FSP 2652.00/24 dated 2024-01-08. 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**  
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Köln, 2024-01-15

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Gebhard Bouwer

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