

# Certificate



Functional Safety

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ID 060000000

**No.: 968/FSP 1722.02/23**

<b>Product tested</b>	Diagnostic Software	<b>Certificate holder</b>	Renesas Electronics Corporation 3-2-24 Toyosu Koto-ku Tokyo 135-0061 Japan
<b>Type designation</b>	Renesas Diagnostic Software for RX200 MCU series as listed in the current revision list.		
<b>Codes and standards</b>	EN 61508-1:2010 EN 61508-2:2010	EN 61508-3:2010	
<b>Intended application</b>	The Renesas Diagnostic Software for RX200 MCU series complies with the requirements of SC 3 acc. to IEC 61508. The claimed diagnostic coverages of 90% (medium) for CPU and RAM tests and 99% (high) for ROM test can be confirmed. As a result of this the Diagnostic Software can be used in safety related applications up to SIL 3.		
<b>Specific requirements</b>	The instructions of the Safety Manual and the User Guide of the respective MCU series shall be considered.		

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 1722.02/23 dated 2023-11-27. 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, 2023-11-27

Certification Body Safety & Security for Automation & Grid

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