

# Certificate



Functional  
Safety

www.tuv.com  
ID 060000000

**No.: 968/FSP 2433.00/22**

<b>Product tested</b>	Self-diagnostic software designed for CR52 core based RZ Family	<b>Certificate holder</b>	Renesas Electronics Corporation 3-2-24 Toyosu Koto-ku Tokyo 135-0061 Japan
<b>Type designation</b>	RZ Family (CR52 core) Diagnostic Software as listed in the current Revision List		
<b>Codes and standards</b>	IEC 61508 Parts 1-7:2010 (in extracts)		
<b>Intended application</b>	The RZ Family (CR52 core) 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 Data Area tests and 99% (high) for the RAM Code Area test can be confirmed.		
<b>Specific requirements</b>	The instructions of the Safety Manual and the User Guide shall be considered.		

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V1.0:2017 in its actual version, whose results are documented in Report No. 968/FSP 2433.00/22 dated 2022-05-31. This certificate is valid only for products, which are identical with the product tested.

**TÜV Rheinland Industrie Service GmbH**  
Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

Köln, 2022-06-01

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Thomas Steffens

www.fs-products.com  
www.tuv.com

