

Certificate



Functional
Safety

www.tuv.com
ID 0600000000

No.: 968/FSP 1371.05/23

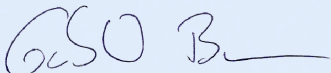
Product tested	Safety functions within the safety motion board RC8A robot controller series	Certificate holder	DENSO WAVE INCORPORATED 1 Yoshiike, Kusagi Agui-cho, Chita-gun Aichi 470-2297 Japan
Type designation	RC8A - a - NN b c - d - eN For details see actual Revision List		
Codes and standards	IEC 61800-5-2:2016 EN 61800-5-1:2007 + A1:2017, 4.3, 5.2.3.8, 5.2.6 IEC 61800-3:2017	EN ISO 13849-1:2023 IEC 61508 Parts 1-7:2010	
Intended application	The implemented safety functions meet the requirements for SIL 2 or SIL 3 according to IEC 61800-5-2, IEC 61508 and PL d /Cat. 3 or PL e/Cat. 4 according to EN ISO 13849-1, depending on the external wiring, used components and programming. The product can also be used in the scope of EN IEC 62061:2021 for SIL 2 or SIL 3. The test objects are suitable for the use in robot systems according to EN ISO 10218-1:2011 and for the implementation of stop category 1 according to the definition in EN 60204-1:2018.		
Specific requirements	The instructions of the associated Installation, Operating and Safety Manual 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 1371.05/23 dated 2023-11-13. 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
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2023-11-24

Certification Body Safety & Security for Automation & Grid


Dipl.-Ing. Gebhard Bouwer