EC Type-Examination Certificate

Functional Safety

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Reg.-No.: 01/205/5571.02/18

Product tested	Safety functions within the safety motion board RC8A robot controller series	**Certificate holder**	Denso Wave Inc. Yoshiike, Kusagi Agui-cho, Chita-gun Aichi 470-2297 Japan
Type designation	RC8A – a – NN b c – d – e N, Robot Type: a = VSA0, VSA3, VSA4, VSA0, VMA0, VPA0, VPG2, HSA0, HSA1, HSB1, HMA0, XRA0, S1A1, S2A1, NTP1, LHA1, MC81, DA01 Engine Type: b = N, 7 User I/O Type: c = M, P Controller Specification: d = NI, NM Special Specification: e = NN		
Codes and standards	IEC 61800-5-2:2016 EN 61800-5-1:2007 (in extracts) IEC 61800-3:2012		IEC 62061:2015 + Corr.1:2015 EN ISO 13849-1:2015 IEC 61508 Parts 1-7:2010
Intended application	The implemented safety functions meet SIL 2 or SIL 3 acc. to IEC 61800-5-2, IEC 62061, IEC 61508, resp. PL d/Cat. 3 or PL e/Cat. 4 acc. to EN ISO 13849-1 depending on the external wiring, used components and programming. They are of HFT=1 and suitable for the use in robot systems acc. to EN ISO 10218-1 and for the implementation of stop category 1 acc. to the definition of IEC 60204-1.		
Specific requirements	The instructions of the associated Installation, Operating and Safety Manual shall be considered.		

It is confirmed, that the product tested complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Valid until 2023-04-17

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1371.02/18 dated 2018-04-17.
This certificate is valid only for products which are identical with the product tested.

TÜVRheinland 0035 Notified Body

Köln, 2018-04-17

Notified Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno

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