

# EC Type-Examination Certificate



Functional  
Safety

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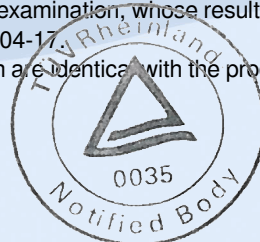
**Reg.-No.: 01/205/5571.02/18**

<b>Product tested</b>	Safety functions within the safety motion board RC8A robot controller series	<b>Certificate holder</b>	Denso Wave Inc. Yoshiike, Kusagi Agui-cho, Chita-gun Aichi 470-2297 Japan
<b>Type designation</b>	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		
<b>Codes and standards</b>	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	
<b>Intended application</b>	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.		
<b>Specific requirements</b>	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.



Köln, 2018-04-17

Notified Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno