

SAFETY COMPONENTS FOR MACHINERY

EC TYPE EXAMINATION CERTIFICATE

N° 0080.5554.520.01.17.0065 EXT01

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Dénomination / <i>Designation</i> :	Radio Emergency Stop safety function
Fabricant / <i>Manufacturer</i> :	JMei Chaussée de Rochefort, 123 - 6900 Marloie (Belgique)
Type / <i>Type</i> :	Emergency Stop safety function for RECB receiver with the following emitters : <ul style="list-style-type: none"> • RCB90 • RCB3000 • RCB1000 • RCB700 • HELICE • RCB6000 / RECB

Version : Hardware / Firmware :

Produits	Hardware	Software
Emetteur		
RCB90	Ver3.10	Ver2.30
RCB3000	Ver2.30	Ver2.30
RCB1000	Ver2.30	Ver2.30
RCB700	Ver4.30	Ver2.30
HELICE	Ver4.30	Ver2.30
Récepteur		
RECB	Ver4.20	Ver2.30
RCB6000	Ver4.20	Ver2.30

EC TYPE EXAMINATION CERTIFICATE request by :

JMei
Chaussée de Rochefort, 123
6900 Marloie (Belgique)

This safety function, after examination and tests included in the following report, DSC-17-142197-00824A of January 2017 are declared to comply with health and safety requirements of appendix 1 of the directive applicable for this type of safety device

1. Functional safety

The safety function complies with functional safety levels and is declared classified as follows :

The level of SIL, category, PL, SIL CL depends of the connecting schemes for the safety function as defined hereafter. The wiring certified configuration are identified in the safety manual and in the certification report DSC-17-142197-00824A defined previously.

In addition some command functions that are embedded in the product, are listed in the certification report but are not covered by the present EC type examination certificate.

2 configurations of the receiver are in the scope of the present certificate.

The **first configuration** with one receiver whose classification are defined after, according the the wiring schemes are defined in the instructions.

The safety function of the **first configuration** complies with functional safety levels and is declared classified for the emergency stop function as follows:

Standard: EN ISO 13849-1 (December 2015)

Level of compliance: Category 3 PLd

With the actual environmental test reports

Standard: EN ISO 13850 (November 2015)

Level of compliance: Stop category 0¹

Standard: IEC 60204-1 (2005) + corrigendum 2010

Level of compliance: Stop category 0

Standard: NF EN 62061 (July 2005) + NF EN 62061/A1 (2013-05-10) + NF EN 62061/A2 (2015-12-25)

Level of compliance: SIL CL 2.

Standard: EN 61508 (edition 2 April 2010)

Level of compliance: SIL 2

¹ This mode corresponds to the removal of power from the motor for the safety function, which are therefore allowed to freewheel

The **second configuration** with two receiver whose classification are defined after, according the the wiring schemes are defined in the instructions.

The safety function of the **second configuration** complies with functional safety levels and is declared classified for the emergency stop function as follows:

Standard: EN ISO 13849-1 (December 2015)

Level of compliance: Category 3 PLe

With the actual environmental test reports

Standard: EN ISO 13850 (November 2015)

Level of compliance: Stop category 0

Standard: IEC 60204-1 (2005) + corrigendum 2010

Level of compliance: Stop category 0

Standard: NF EN 62061 (July 2005) + NF EN 62061/A1 (2013-05-10) + NF EN 62061/A2 (2015-12-25)

Level of compliance: SIL CL 3.

Standard: EN 61508 (edition 2 April 2010)

Level of compliance: SIL 3

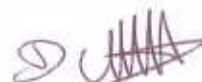
2. *Safety for use*

The regulations of use are detailed in the safety manuel referenced FG-NI-1A-Radiocommandes Safety integrated functions manual. This instruction notice defines the different wirings and all information necessary for the safe use of the Safety functions.

3. Validité / *Validity*

The present EC type examination certificate is valid up to 04 January 2023.

Verneuil-en-Halatte, le 01/02/2018



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