



TYPE APPROVAL CERTIFICATE
No. **ELE158521XG**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Inductive proximity sensors
<i>Type</i>	NJ5-11-N-G, NCN4-12GM35-N0-V1
<i>Applicant</i>	Pepperl+Fuchs SE Lilienthalstraße 200 68307 Mannheim GERMANY
<i>Manufacturer</i>	Pepperl+Fuchs SE
<i>Place of manufacture</i>	Lilienthalstraße 200 68307 Mannheim GERMANY
<i>Reference standards</i>	"RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1"

Issued in **HAMBURG** on **October 18, 2021**. This Certificate is valid until **October 17, 2026**



RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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No. **ELE158521XG**
Enclosure - Page 1 of 1
NJ5-11-N-G, NCN4-12GM35-N0-V1

Product description :

The inductive proximity sensors are to be used for applications requiring accurate, non-contact detection of metallic objects in machinery or automation equipment.

Type: NCN4-12GM35-N0-V1

Switching function: Normally closed (NC)

Output type: 2-wire

Operating distance: $s_a = 0 \dots 3.24\text{mm}$

Switching frequency: $f = 0 \dots 800\text{Hz}$

Degree of protection: IP67

Connection type: Connector M12 x 1 , 4-pin

Housing material: Stainless steel 1.4305 / AISI 303

Type: NJ5-11-N-G

Switching function: Normally closed (NC)

Output type: 2-wire

Operating distance: $s_a = 0 \dots 4.05\text{mm}$

Switching frequency: $f = 0 \dots 3000\text{Hz}$

Degree of protection: IP68

Connection type: cable, 2m

Housing material: Stainless steel 1.4305 / AISI 303

Documents:

Data sheets: - 106437_eng dated 2017-01-24; 181103_eng dated 2017-01-24;

Drawings: - 03-6980 dated 27.03.98; 03-AEE9 dated 2017 Apr 02; 03-AEF0 dated 2017 Apr 12; 51-0958A dated 16 May 06;

- 53-2213A dated 2006 Aug 02;

Test reports:

Pepperl+Fuchs: - PRDE-BUW6 dated 2017-06-06; PRDE-BUW9 dated 2017-06-06;

Remarks:

- The products fulfill EC-Code: EC33/43.

HAMBURG October 18, 2021

