

# EU-Type Examination Certificate

## 2051-RED-214802

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

### Safety Radar Sensor

**Model: SBV-01**

Placed on the market under the name or trade mark of

**Inxpect S.p.A.**  
**Via Serpente, 91**  
**25131 - Brescia (BS), Italy**

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

<b>Art 3.1a:</b>	EN 61010-1:2010 + A1:2019 EN IEC 62311:2020
Additional standard adopted:	EN 60529-1:1991+A1:200+A2:2013 EN 60068-2-6:2008, EN 60068-2-27:2009 EN 61496-1:2013
<b>Art 3.1b:</b>	ETSI EN 301 489-1 V2.2.3:2019, ETSI EN 301 489-3 V2.1.1:2019 EN 61326-3-1:2017 EN IEC 61000-6-2:2019
<b>Art 3.2:</b>	ETSI EN 305 550-1 V1.2.1:2014, ETSI EN 305 550-2 V1.2.1:2014

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued November 29, 2021

*This Certificate was first issued on November 29, 2021*

This certificate consists of 3 pages

Certificate revision: 1.0

**Nemko S.p.A.**

Authorized signatory: Marco De Angelis

# NB 2051


This certificate has been granted by Nemko Spa a Socio Unico, Via del Carroccio 4, 20853 Biassono (MB), Italy

This certificate remains valid for ten years from the issue date, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko S.p.A. is designated by the Italian Notifying Authority "Ministry of Economic Development".

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

## ANNEX 1 – PRODUCT SPECIFICATIONS

### PRODUCT DESCRIPTION

Equipment identification: Safety Radar Sensor  
Model/type: SBV-01  
Variants: -  
Brand/trade name:  INXPECT  
Supply voltage: 12 Vdc  
Rated power/current: 3.25 W

### TECHNICAL CHARACTERISTICS

Type of radio interface: SRD  
Intended purpose: Safety Radar Sensor  
Class of equipment: Class I, Sub-class 126 (Non-Specific Short Range Devices) of Commission Decision 2000/299/EC  
Frequency range: 60.2 ÷ 62.8 GHz (ass. band 57 ÷ 64 GHz)  
Transmit power: 15.24 dBm e.i.r.p.  
Modulation type: linear FM-CW  
Maximum duty cycle: 27%  
Antenna type: Integral, printed on PCB  
Firmware: RADARSS 6.3.2.6

### MANUFACTURER

Name: **Inxpect S.p.A.**  
Address: Via Serpente, 91 - 25131 - Brescia (BS), Italy

### ADDITIONAL INFORMATION

None.

**Nemko S.p.A.**  
*Authorized signatory: Marco De Angelis*

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## ANNEX 2 - SCHEDULE OF APPROVAL

### SCOPE OF EXAMINATION

- |  |          |
|--|----------|
| <input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a).     | COMPLIES |
| <input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b). | COMPLIES |
| <input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2).                     | COMPLIES |
| <input type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(i).                     | N/A      |

### APPLICATIONS/LIMITATIONS

Nil.

### MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.  
The equipment shall carry the CE marking of the European Union.

### TYPE EXAMINATION DOCUMENTATION

#### Test report(s)

- Safety test report by UL International Germany GmbH (id: 4789500533, dated: 2020-11-23)
- Safety test report by UL International Germany GmbH (id: 4789801874, dated: 2021-05-05)
- Health test report by Inxpect S.p.A. (id: SBV-01, dated: 2020-10-07)
- EMC test report by CMC Centro Misure Compatibilità S.r.l. (id: R20155501, dated: 2020-10-30)
- EMC test report by CMC Centro Misure Compatibilità S.r.l. (id: R20155601, dated: 2020-10-30)
- EMC test report by CMC Centro Misure Compatibilità S.r.l. (id: R20155701, dated: 2020-10-30)
- Radio test report by Nemko SpA (id: 406045TRFWL, dated: 2020-09-24)

#### Additional documentation

- RED technical file by Inxpect S.p.A. (id: Documentazione Tecnica - SBV-01, Rev. 02, dated 2021-11-29)
- Climatic test report by CMC Centro Misure Compatibilità S.r.l. (id: E20155801, dated 2021-01-20)
- Vibration test report by CMC Centro Misure Compatibilità S.r.l. (id: V20155901, dated 2021-01-20)
- IP degree test report by Nemko SpA (id: 404952-2TRFEnvEx, dated 2020-09-04)

### ADDITIONAL INFORMATION

None.

<< End of certificate >>

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