

EU-Type Examination Certificate

2051-RED-222404

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, Italy

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

Art 3.1a:	EN 61010-1:2010 + A1:2019 EN IEC 62311:2020
additional standards:	EN 60529-1:1991+A1:200+A2:2013 EN 61496-1:2013 EN 60068-2-6:2008, EN 60068-2-27:2009
Art 3.1b:	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
Art 3.2:	ETSI EN 305 550-2 V1.2.1:2014, ETSI EN 305 550-1 V1.2.1:2014

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

Certificate issued June 21, 2022

This Certificate was first issued on June 21, 2022

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".

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ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment identification: Safety Radar Sensor

Model/type: SBV-01

Variants: S201A

Brand/trade name:  INXPECT

Supply voltage: 12 Vdc

Rated power/current: 3.25 W

TECHNICAL CHARACTERISTICS

Type of radio interface: Non-Specific Short Range Devices

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, Italy

ADDITIONAL INFORMATION

None.

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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)
- Safety test report by UL International Germany GmbH (id: 22-4790293289, dated 2022-03-10)
- Health test report by Inxpect (id: SBV-01 power density according with EN62311, 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: 465684TRFWL, dated 2022-05-10)

Additional documentation

- RED technical file by Inxpect S.p.A. (id: Documentazione Tecnica - SBV-01 (S201A), Rev. 03 dated 2022-06-03)
- EU-Type Examination Certificate by Nemko SpA (id: 2051-RED-214802, dated 2021-11-29)
- Env. test report by CMC Centro Misure Compatibilità S.r.l. (id: E20155801, dated 2021-01-20)
- Env. test report by CMC Centro Misure Compatibilità S.r.l. (id: V20155901, dated 2021-01-20)
- Env. test report by Nemko SpA (id: 404952-2TRFEnvEx, dated 2020-09-04)

ADDITIONAL INFORMATION

None.

<< End of certificate >>

Nemko S.p.A.

Authorized signatory: Marco De Angelis

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Nemko Italy

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