IECEx Certificate
of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx INE 10.0014X**	Page 1 of 4	

Certificate No.: **IECEx INE 10.0014X**

Status: **Current**

Date of Issue: 2024-02-12

Applicant: **RCN S.r.l**
Via Crevacuore
I-13011 Borgosesia
Italy

Equipment: **Adapters and Blanking Elements type A..., M..., N... or T...**

Optional accessory:

Type of Protection: **Ex db, Ex eb, Ex nR and Ex tb**

Marking: Ex db I Mb / Ex eb I Mb /
Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex tb IIIC Db

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Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)

Thierry HOUEIX

Ex Certification Officer

Signé électroniquement
Digitally signed by
Thierry HOUEIX
Ex Certification Officer
Délégué Certification

2024-02-12

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Certificate issued by:

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Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France

INERIS
controlling risks
for sustainable development

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Manufacturer:	**RCN S.r.l** Via Crevacuore I-13011 Borgosesia **Italy**
Manufacturing locations:	**RCN S.r.l** Via Crevacuore I-13011 Borgosesia **Italy**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1:2014 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-15:2017 Edition:5.0	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-31:2022 Edition:3.0	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7:2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

FR/INE/ExTR10.0009/04

Quality Assessment Report:

FR/INE/QAR10.0003/12

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

These metallic accessories type A…, M…, N… and T… are protected by flameproof enclosure, increased safety, restricted-breathing enclosure and dust protection.
Furthermore, they also can be fitted on "Ex i", "Ex n", "Ex m" "Ex o", "Ex p" and "Ex q"
These accessories gets the degree of protection IP66 or IP66/IP68 according to IEC 60 529 standard; the verification of the degree of protection IPX8 corresponds to an immersion under 30 meters of water during 7 days.
The degree of protection IP68 is obtained by using flat sealing rings on the accessories with cylindrical threads.

SPECIFIC CONDITIONS OF USE: YES as shown below:
• These Ex adapters and Ex blanking elements are intended to be used in the following operating temperature ranges:
 - 40°C to +100°C for cylindrical threaded devices with EPDM or NYLON Gasket
 - 65°C to +220°C for cylindrical threaded devices with Silicone Gasket
 - 65°C to +400°C for devices without gasket
• The blanking elements shall not be used with adaptors.
• Only one thread adaptor is permitted for each cable entry, blanking elements shall not be used with adaptors.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Purpose of the issue 04 of IECEx INE 10.0014X:

- Application of standard : IEC 60079-31:2022, 3 ed.
- Updating of the manufacturer's documents

Purpose of the issue 03 of IECEx INE 10.0014X:

- Application of standards : IEC 60079-7:2015+A1:2017, 5.1 ed. and IEC 60079-15:2017
- Updating of the manufacturer's documents

Purpose of the issue 02 of IECEx INE 10.0014X:

- Application of standards : IEC 60079-0:2017, 7th ed., IEC 60079-1:2014, 7th ed., IEC 60079-7:2015 5th ed., IEC 60079-15:2010 4th ed. and IEC 60079-31:2013 2nd ed.
- Updating of the manufacturer's documents

Purpose of the issue 01 of IECEx INE 10.0014X:

- Application of the new edition of IEC 60079-0:2011
- Modification of the low ambient temperature

Annex:

IECEx INE 10.0014X-04_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

- Size of threaded joints:

Conical thread :
NPT : 1/8" NPT up to 3" NPT.
Gk : 1/2" Gk up to 3" Gk.
ISO10226 : R 1/8" up to R 3"

Cylindrical thread :

ISO-262M : M12 x 1.5 mm up to M90 x 1.5 mm.
M80 x 2 mm up to M90 x 2 mm.
ISO 228-G : G1/8" up to G3".
DIN 40430 : Pg7 up to Pg48.

- For accessories protected by flameproof enclosure "Ex db", not all sizes are available depending of the material and threads types, see manufacturer's documentation.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- RCN srl
- I – 13011 Borgosesia (VC)
- A…, M…, N… or T… (*)
- IECEx INE 10.0014X
- Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc
- Ex db I Mb / Ex eb I Mb
- Ex tb IIIC Db
- IP(**)

On the small accessories, the marking can be reduced at:

- RCN srl
- A…, M…, N… or T… (*)
- IECEx INE 10.0014X
- Ex db/eb/nR/tb

(*) The type is completed by numbers and/or letters in accordance with the manufacturing variations.
(**) IP66 or IP66/IP68

ROUTINE EXAMINATIONS AND TESTS

None.