




IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx INE 10.0014X	issue No.:	1	Certificate history: Issue No. 1 (2013-3-5) Issue No. 0 (2010-11-15)
Status:	Current			
Date of Issue:	2013-03-05	Page	1 of 4	
Applicant:	RCN S.r.l Via Crevacuore I-13011 Borgosesia Italy			
Electrical Apparatus: Optional accessory:	Adapters and blanking elements type A..., M..., N... or T...			
Type of Protection:	Ex d, Ex e and Ex tb			
Marking:	Ex d IIC Gb, Ex d I Mb, Ex e IIC Gb, Ex e I Mb, Ex tb IIIC Db			
Approved for issue on behalf of the IECEx Certification Body:	Thierry HOUÉIX			
Position:	Ex Certification officer			
Signature: (for printed version)				
Date:	2013-03-05			

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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



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Manufacturer: **RCN**
Via Crevacuore
I-13011 Borgosesia
Italy

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/ExTR10.0009/00](#)

[FR/INE/ExTR10.0009/01](#)

Quality Assessment Report:

[FR/INE/QAR10.0003/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Metallic devices intended to be fitted on flameproof enclosures for group I, IIA, IIB and IIC, on increased safety enclosures for group I and II and on enclosures for dust explosive atmospheres with tb and tc protection. This devices get the degrees of protection IP66 or IP66/68 according to the IEC 60 529 standard ; the verification of the degree of protection IPX8 corresponds to an immersion under 30 meters of water during 7 days.

CONDITIONS OF CERTIFICATION: YES as shown below:

These metallic devices are intended to be used in the following temperature of using:

- For cylindrical threaded with gasket:
- * 100°C with EPDM or Nylon gasket.
- * 220 °C with silicon gasket.
- * 400°C without gasket.

The minimum temperature is:

- 40°C with EPDM and NYLON gasket.
- 65°C with Silicone gasket or without gasket.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 01:

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



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Annexe: IECEX INE 10.0014X_Issue01_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

Size of threaded joints:

- Conical thread : NPT : 1/4" NPT up to 3" NPT.
- Cylindrical thread : ISO-262M : M12 x 1.5 mm up to M75 x 1.5 mm.
M80 x 2 mm up to M 90 x 2 mm.
- ISO 228-G : G1/4" up to G3".
- DIN 40430 : Pg7 up to Pg48.

MARKING

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

- RCN
- I-13011 Borgosesia (VC)
- (*)
- IECEX INE 10.0014X
- (Year of construction)
- Ex d IIC Gb Ex d I Mb
- Ex e IIC Gb Ex e I Mb
- Ex tb IIIC Db
- IP(**)

On the small devices the marking can be reduced at:

- RCN
- (*)
- IECEX INE 10.0014X
- (***)

(*) One of the following type : A..., M..., N... or T....The type is completed by letters and numbers corresponding to the type and size of thread and the manufacturing variation. Different types are defined in the descriptive documents.

(**) IP66 or IP66/68.

(***) The additional marking as can be accommodated: Ex d, Ex e, Ex tb.

ROUTINE EXAMINATIONS AND TESTS

None.