



# 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](http://www.iecex.com)

Certificate No.: **IECEX INE 14.0038X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2014-07-04** Page 1 of 3

Applicant: **RIBCO S.r.l.**  
Via dei Mille, 12  
I-20061 Carugate (MI)  
**Italy**

Electrical Apparatus: **Fitting units type RE or PL or NP or EM or ELF**  
Optional accessory:

Type of Protection: **Ex d/eltb**

Marking: **Ex d I Mb**  
**Ex d IIC Gb**  
**Ex e IIC Gb**  
**Ex tb IIIC Db IP66**

Approved for issue on behalf of the IECEx  
Certification Body:

Thierry HOUEIX

Position:

Ex Certification Officer

Signature:  
(for printed version)

Date:

2014-07-04



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**

INERIS is accredited by COFRAC under number 5-0045 for certification of products and services  
(scope of accreditation available on the website [www.cofrac.fr](http://www.cofrac.fr)).



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Manufacturer: **RIBCO S.r.l.**  
Via dei Mille, 12  
I-20061 Carugate (MI)  
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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> 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/ExTR14.0030/00](#)

##### Quality Assessment Report:

[IT/CES/QAR11.0001/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

This serie of adapters, plugs, nipples and bends can be made in EN AW-6060, CW614N(OT58), AISI 316L or ASTM A105.

It gets the degree of protection IP66 according to the IEC 60529 standard.

### CONDITIONS OF CERTIFICATION: YES as shown below:

Operating temperature of the fitting units:

-40°C to +100°C with EPDM O-ring

-60°C to +180°C with silicone O-ring



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## **PARAMETERS RELATING TO THE SAFETY**

### Size of threaded joints:

Taper threading : NPT : 3/8" NPT up to 3" NPT.

Cylindrical threading: ISO-262 and ISO965-1/2/3: M16 x 1.5 mm up to M90 x 1.5 mm.

### Operating temperature:

-40°C to +100°C with EPDM O-ring;

-60°C to +180°C with silicone O-ring

## **MARKING**

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

### **a) Marking for units without aluminum:**

- RIBCO
- 20061 Carugate (MI)-ITALY
- RE\*\*\*\*\* or RE\*\*\*\*\* or PL\*\*\*\* or NP\*\*\* or EM\*\*\* or ELF\*\*\*
- IECEx INE 14.0038X
- (Year of construction)
- Ex d I Mb
- Ex d IIC Gb
- Ex e IIC Gb
- Ex tb IIIC Db IP66

### **On the small equipments the marking can be reduced at:**

- RIBCO-I
- (Year of construction)
- RE\*\*\*\*\* or RE\*\*\*\*\* or PL\*\*\*\* or NP\*\*\* or EM\*\*\* or ELF\*\*\*
- IECEx INE 14.0038X
- Ex d/e/tb



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## b) Marking for units without aluminum:

- RIBCO
- 20061 Carugate (MI)-ITALY
- RE\*\*\*\*\* or RE\*\*\*\*\* or PL\*\*\*\* or NP\*\*\* or EM\*\*\* or ELF\*\*\*
- IECEX INE 14.0038X
- (Year of construction)
- Ex d IIC Gb
- Ex e IIC Gb
- Ex tb IIIC Db IP66

### **On the small equipments the marking can be reduced at:**

- RIBCO-I
- (Year of construction)
- RE\*\*\*\*\* or RE\*\*\*\*\* or PL\*\*\*\* or NP\*\*\* or EM\*\*\* or ELF\*\*\*
- IECEX INE 14.0038X
- Ex d/e/tb

## ROUTINE EXAMINATIONS AND TESTS

None.