



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 14.0003X issue No.:1 Certificate history:
Issue No. 1 (2014-10-17)
Issue No. 0 (2014-3-10)

Status: **Current**

Date of Issue: **2014-10-17** Page 1 of 5

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


Electrical Apparatus: **Cable gland type PM... or PMA... or PA... or PMS... or PMM... or PMF...**
Optional accessory:

Type of Protection: **d, e and tb**


Marking: 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: 2014-10-17



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.

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 is available on COFRAC website www.cofrac.fr)
The certification rules are available on the INERIS website www.ineris.fr.



IECEx Certificate of Conformity

Certificate No.: IECEx INE 14.0003X

Date of Issue: 2014-10-17

Issue No.: 1

Page 2 of 5

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:

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 : 2013 Edition: 2	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/ExTR14.0003/01

Quality Assessment Report:

IT/CES/QAR11.0001/03



IECEx Certificate of Conformity

Certificate No.: IECEx INE 14.0003X

Date of Issue: 2014-10-17

Issue No.: 1

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This range of cable glands type PM... or PMA... or PA... or PMS... or PMM... or PMF... is protected by flameproof enclosure, increased safety and dust protection.
These cable glands are foreseen, in accordance with the type, for armoured or non-armoured cables.
In accordance with the type, the cable glands can be realised with simple sealing ring or double sealing ring.
The cable glands type P...X can be provided with a sealed bushing.
These cable glands get the degrees of protection IP66 according to IEC 60529 standard.

CONDITIONS OF CERTIFICATION: YES as shown below:

The temperature of the enclosure, at the connection point of the cable gland must not exceed:

- +100°C with sealing ring in EPDM and with or without ELANTAS MC62/W363;
- +80°C with sealing ring in EPDM and with ARALDITE 2012;
- +180°C with sealing ring in SILICON;
- +155°C with sealing ring in SILICON and with ELANTAS MC62/W363).

The minimum temperature for use are:

- -40°C for sealing ring in EPDM and with or without ELANTAS MC62/W363;
- -20°C with sealing ring in EPDM and with ARALDITE 2012;
- -60°C for sealing ring in SILICON and with or without ELANTAS MC62/W363.

The user shall use cables with thermal stability in accordance with the rated service temperature.

Due to the tensile test performed at 25% of the load, the clamping of the cables, for the cable entries must be realized outside of the enclosure, nearby to the enclosure on which the cable glands are installed.



IECEx Certificate of Conformity

Certificate No.: IECEx INE 14.0003X

Date of Issue: 2014-10-17

Issue No.: 1

Page 4 of 5

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

Purpose of the Issue N°1:

- Addition of the new "NPT" sizes 5 and 6 and the new "ISO" sizes 50 and 63;
- Update to the IEC 60079-31:2013, 2nd edition.



IECEx Certificate of Conformity

Certificate No.: IECEx INE 14.0003X

Date of Issue: 2014-10-17

Issue No.: 1

Page 5 of 5

Additional information:

PARAMETERS RELATING TO THE SAFETY

These cable glands can be used with cables diameter from 4 mm up to 45 mm.

MARKING

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

- RIBCO s.r.l
- I – 20061 Carugate (MI)
- PM... or PMA... or PA... or PMS... or PMM... or PMF...(*)
- IECEx INE 14.0003X
- Ex d IIC Gb
- Ex e IIC Gb
- Ex tb IIIC Db IP66

On the sealing ring:

Indication of the minimum and maximum diameters. The sealing ring shall be also identified allowing the user to determine if the ring is appropriate for the cable gland.

On the small cable glands the marking can be reduced at:

- RIBCO - I
- PM... or PMA... or PA... or PMS... or PMM... or PMF...(*)
- IECEx INE 14.0003X
- Ex d/e/tb

On the sealing ring:

Indication of the minimum and maximum diameters. The sealing ring shall be also identified allowing the user to determine if the ring is appropriate for the cable gland.

(*) Type is completed by letters and numbers corresponding to the size of the threaded joint and the manufacturing variations. Different types are defined in the descriptive documents.

ROUTINE EXAMINATIONS AND TESTS

None.