



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 14.0003X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2014-10-17\)](#)
[Issue 0 \(2014-03-10\)](#)
Date of Issue: 2020-12-09
Applicant: **RIBCO S.r.l**
Via dei Mille, 12
I - 20061 Carugate (MI)
Italy
Equipment: **Cable gland type P...**
Optional accessory:
Type of Protection: **db, eb and tb**
Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db
IP65 or IP66

Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUEIX

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:

2020-12-09

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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



controlling risks |
for sustainable development



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

Additional
manufacturing
locations:

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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR14.0003/02](#)

Quality Assessment Report:

[IT/CES/QAR11.0001/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This range of cable glands type P... is protected by flameproof enclosure, increased safety, and dust protection. These cable entries are foreseen, for armoured cables or non-armoured cables, with a simple or double sealing ring. A version P...X can be provided with a sealed bushing. These cable glands get the degrees of protection IP65 or IP66 according to IEC 60 529 standard.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

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

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

Cable gland series	Service Temperature	Seal material	Resin type
P...	-40°C to +100°C	EPDM	None
P...	-60°C to +180°C	Silicone	None
P...X	-40°C to +100°C	EPDM	ELANTAS MC62/W363
P...X	-55°C to +155°C	Silicone	ELANTAS MC62/W363
P...X	-40°C to +80°C	EPDM	ARALDITE 2012
P...X	-60°C to +80°C	Silicone	ARALDITE 2012
P...X	-40°C to +100°C	EPDM	CW1302/Hv1300
P...X	-60°C to +180°C	Silicone	CW1302/Hv1300



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

For 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.

For the Issue N°2

- Addition of the new "NPT" size PM38 and sizes PM7 to PM9 and the new "ISO" size PM16 and sizes PM75 to PM90.
- Update to the IEC 60079-0:2017, IEC 60079-1:2014, IEC 60079-7:2017.

Annex:

[IECEx INE 14.0003X-02_Annex.pdf](#)



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Annex: IECEx INE 14.0003X-02_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

These cable glands can be used for diameter cables from 2 mm up to 74 mm.

MARKING

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

- RIBCO S.r.l
- I – 20061 Carugate (MI)
- P... (*)
- IECEx INE 14.0003X
- Ex db IIC Gb
- Ex eb IIC Gb
- Ex tb IIIC Db
- IP66 or IP65

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 equipment the marking can be reduced at:

- RIBCO S.r.l
- P... (*)
- IECEx INE 14.0003X
- Ex db / eb / tb
- IP66 or IP65

(*) Type is completed by letters and numbers corresponding to the size of the threaded joint and the manufacturing variations specified in descriptive documentation.

ROUTINE EXAMINATIONS AND TESTS

None