

BUREAU VERITAS
Certification



Certificate of Conformity

AWARDED TO APPLICANT
SIB SOLUTIONS INDUSTRY & BUILDING

25 RUE THÉOPHILE SOMBORN
57220 – BOULAY – FRANCE

MANUFACTURER: SIB SOLUTIONS INDUSTRY & BUILDING

25 RUE THÉOPHILE SOMBORN
57220 – BOULAY – FRANCE

Bureau Veritas Certification certifies that the Product in the scope of supply specified below has been evaluated and found to comply with the requirements of the reference documents.

Documents of Reference

ORDINANCE N° 179 FROM INMETRO, ISSUED IN MAY 18TH 2010,
ABNT NBR IEC 60079-0:2013, ABNT NBR IEC 60079-7:2018, ABNT NBR IEC 60079-31:2014
and ABNT NBR IEC 60529:2017.

CERTIFICATE ISSUED BASED ON THE MANUFACTURER EVALUATION OF QUALITY
MANAGEMENT SYSTEM AND PRODUCT TESTS MODEL

Scope of Supply

CABLE GLAND TYPE EC_x
TYPE: CM, ECEA CM, CM M1, ECEA M1, ECEA M2, GSE and ECEA GSE
MARKING: Ex eb IIC Gb IP66/IP68 (5 bar)
Ex tb IIIC Db IP66/IP68 (5 bar)

Initial date of this Certificate: **MARCH 22TH 2020.**

Certificate valid until: **MARCH 21TH 2023.**

This Certificate of Conformity was issued according to the certification model 5 and is valid only accompanied by pages 1 to 7. The validity of this Certificate is linked to carrying out assessments maintenance and treatment of possible non-conformity in accordance with the Bureau Veritas Certification guidelines and in the specific Inmetro Ordinances (RAC).

To check the updated condition of regularity of this Certificate must be obtained from the product database and Certificate Services on Inmetro site.

Product Certification Contract: **SF.1131352**

Certificate since: **JUNE 13TH 2011.**

INMETRO Certificate Number: **BVC11.0665-X**

Vagner Valentino
Coordenador Técnico de Certificação de Produto

Bureau Veritas Certification
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2007171825001



OCP.0018

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SPECIFICATION:

The Cable glands are used for the entry of cables in electrical equipment (Boxes, light fixtures, outlets, etc ...) or metallic plastics, ensuring the tightness between the cable and the electrical equipment.

The cable glands can use in zones 1 and 2 for gas group IIA, IIB, IIC and for zones 21 and 22 for group IIIC for combustible dusts or not combustible.

The cable glands can be manufactured with metric thread, NPT or PG and were approved with a degree of protection IP66/IP68 (5 bar).

TECHNICAL DOCUMENTATION:

- Certificate of Conformity LCIE 01ATEX6006X/03 of 2008/11/14;
- Certificate of Conformity LCIE 01ATEX6006X/04 of 2015/05/06;
- Certificate of Conformity n° IECEx LCIE 16.0014X de 2016/06/03;
- Test Report LCIE n° 60000011-1 of 2003/05/21;
- Test Report LCIE n° 60055106-555530/05 of 2007/08/31;
- Test Report LCIE n° 85867-576728 of 2008/11/14;
- Test Report LCIE n° 133536-668141-08 of 2015/05/06;
- Test Report LCIE n° FR/LCIE/ExTR16.0021/00 de 2016/06/03;
- Technical Dossier n° TR/011/01 of 2011/02/30;
- Analysis Report (RA) n° 005/2011 of 2011/05/12;
- Analysis Report (RA) n° 001/2020 of 2020/06/29;
- Factory Inspection performed in 2019/03/21;
- Manual in Portuguese.

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Drawing	Description	Revision	Date
C 1900 000	P-E Atex NPT Modèle Ex e CM	B	2007/02/12
C 1900 000	KV Atex NPT Model Ex e CM	B	2007/02/12
C 1900 000	C-G Atex NPT Model Ex e CM	B	2007/02/12
C 2000 008	P-E Atex PG & ISO Modèle Ex e CM	I	2010/09/28
C 2000 008	KV Atex PG & ISO Model Ex e CM	I	2010/09/28
C 2000 008	C-G Atex PG & ISO Model Ex e CM	I	2010/09/28
C 2100 000	P-E Atex PG LANG Modèle Ex e CM	C	2007/02/12
C 2100 000	KV Atex PG LANG Model Ex e CM	C	2007/02/12
C 2100 000	C-G Atex PG LANG Model Ex e CM	C	2007/02/12
C 2200 002	Presse-Etoupe Atex Modèle Ex e GSE PG COURT	C	2007/02/12
C 2200 002	Kabelverschraubung Atex Model Ex e GSE PG KURZ	C	2007/02/12
C 2200 002	Cable-Glands Atex Model Ex e GSE PG SHORT	C	2007/02/12
C 2300 009	Presse-Etoupe Atex Modèle Ex e GSE PG LONG	C	2007/02/12
C 2300 009	Kabelverschraubung Atex Model Ex e GSE PG LANG	C	2007/02/12
C 2300 009	Cable-Glands Atex Model Ex e GSE PG LANG	C	2007/02/12
C 2400 000	Presse-Etoupe Atex Modèle Ex e GSE Métrique Court	D	2007/02/12
C 2400 000	Kabelverschraubung Atex Model Ex e GSE Metrisch Kurz	D	2007/02/12
C 2400 000	Cable-Glands Atex Model Ex e GSE Metric Short	D	2007/02/12
C 2500 000	Presse-Etoupe Atex Modèle Ex e GSE Metrique Long	C	2007/02/12
C 2500 000	Kabelverschraubung Atex Model Ex e GSE Metrisch Lang	C	2007/02/12
C 2500 000	Cable-Glands Atex Model Ex e GSE Metric Long	C	2007/02/12
C 2600 000	Presse-Etoupe Atex Modèle Ex e GSE NPT	B	2007/02/12
C 2600 000	Kabelverschraubung Atex Model Ex e GSE NPT	B	2007/02/12
C 2600 000	Cable-Glands Atex Model Ex e GSE NPT	B	2007/02/12
C 2600 800	Presse-Etoupe Atex Modèle Ex e GSE GAZ COURT	B	2007/02/12
C 2600 800	Kabelverschraubung Atex Model Ex e GSE GAZ KURZ	B	2007/02/12
C 2600 800	Cable-Glands Atex Model Ex e GSE GAZ SHORT	B	2007/02/12
C 2700 000	Presse-Etoupe Atex Modèle Ex e GSE GAZ LONG	B	2007/02/12
C 2700 000	Kabelverschraubung Atex Model Ex e GSE GAZ LANG	B	2007/02/12
C 2700 000	Cable-Glands Atex Model Ex e GSE GAZ LONG	B	2007/02/12
C 3200 001	Presse-Etoupe Atex Modèle Ex e ECEA GSE PG Court	C	2007/02/12

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C 3200 001	Kabelverchraubung Atex Model Ex e ECEA GSE PG KURZ	C	2007/02/12
C 3200 001	Cable-Glands Atex Model Ex e ECEA GSE PG SHORT	C	2007/02/12
C 3200 200	Presse-Etoupe Atex Modèle Ex e ECEA GSE À PAVILLON PG COURT	B	2007/02/12
C 3200 200	Kabelverchraubung Atex Model Ex e ECEA GSE MIT BIEGESCHUTZ PG KURZ	B	2007/02/12
C 3200 200	Cable-Glands Atex Model Ex e ECEA GSE WITH BEND PREVENTION PG SHORT	B	2007/02/12
C 3300 008	Presse-Etoupe Atex Modèle Ex e ECEA GSE PG LONG	C	2007/02/12
C 3300 008	Kabelverchraubung Atex Model Ex e ECEA GSE PG LANG	C	2007/02/12
C 3300 008	Cable-Glands Atex Model Ex e ECEA GSE PG LONG	C	2007/02/12
C 3300 200	Presse-Etoupe Atex Modèle Ex e ECEA GSE À PAVILLON PG LONG	B	2007/02/12
C 3300 200	Kabelverchraubung Atex Model Ex e ECEA GSE MIT BIEGESCHUTZ PG LANG	B	2007/02/12
C 3300 200	Cable-Glands Atex Model Ex e ECEA GSE With Bend Prevention PG LONG	B	2007/02/12
C 3400 000	Presse-Etoupe Atex Modèle Ex e ECEA GSE MÉTRIQUE COURT	C	2007/02/12
C 3400 000	Kabelverchraubung Atex Model Ex e ECEA GSE METRISCH KURZ	C	2007/02/12
C 3400 000	Cable-Glands Atex Model Ex e ECEA GSE Metric Short	C	2007/02/12
C 3500 000	Presse-Etoupe Atex Modèle Ex e ECEA GSE MÉTRIQUE LONG	C	2007/02/12
C 3500 000	Kabelverchraubung Atex Model Ex e ECEA GSE METRISCH LANG	C	2007/02/12
C 3500 000	Cable-Glands Atex Model Ex e ECEA GSE Metric Long	C	2007/02/12
C 3600 000	Presse-Etoupe Atex Modèle Ex e ECEA GSE NPT	B	2007/02/12
C 3600 000	Kabelverchraubung Atex Model Ex e ECEA GSE NPT	B	2007/02/12
C 3600 000	Cable-Glands Atex Model Ex e ECEA GSE NPT	B	2007/02/12
C 3600 800	Presse-Etoupe Atex Modèle Ex e ECEA GAZ COURT	B	2007/02/12
C 3600 800	Kabelverchraubung Atex Model Ex e ECEA GSE GAZ KURZ	B	2007/02/12
C 3600 800	Cable-Glands Atex Model Ex e ECEA GSE SHORT	B	2007/02/12
C 3700 000	Presse-Etoupe Atex Modèle Ex e ECEA GSE GAZ LONG	B	2007/02/12

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C 3700 000	Kabelverchabung Atex Model Ex e ECEA GSE GAZ LANG	B	2007/02/12
C 3700 000	Cable-Glands Atex Model Ex e ECEA GSE GAZ LONG	B	2007/02/12
C 3800 000	Presse-Etoupe Atex Model Ex e ECEA CM	D	2008/09/17
C 3800 000	Kv Atex Model Ex e ECEA CM	D	2008/09/17
C 3800 000	Cable-Glands Atex Model Ex e ECEA CM	D	2008/09/17
C 7000 003	P-E Atex PG Modèle Ex e ECEA M1	G	2008/09/17
C 7000 003	KV Atex PG Model Ex e ECEA M1	G	2008/09/17
C 7000 003	C-G Atex PG Model Ex e ECEA M1	G	2008/09/17
C 7000 100	P-E Atex PG Modèle Ex e CM M1	G	2008/09/17
C 7000 100	KV Atex PG Model Ex e CM M1	G	2008/09/17
C 7000 100	C-G Atex PG Model Ex e CM M1	G	2008/09/17
C 7100 200	P-E Atex Metrique Modèle Ex e CM M1	D	2008/09/17
C 7100 200	KV Atex Metrisch Model Ex e CM M1	D	2008/09/17
C 7100 200	C-G Atex Metric Model Ex e CM M1	D	2008/09/17
C 7100 300	P-E Atex Metrique Modèle Ex e ECEA M1	D	2008/09/17
C 7100 300	KV Atex Metrisch Model Ex e ECEA M1	D	2008/09/17
C 7100 300	C-G Atex Metric Model Ex e ECEA M1	D	2008/09/17
C 7200 007	P-E Atex Pg Modèle Ex e ECEA M2	E	2008/09/17
C 7200 007	KV Atex PG Model Ex e ECEA M2	E	2008/09/17
C 7200 007	C-G Atex PG Model Ex e ECEA M2	E	2008/09/17
C 7300 200	P-E Atex Metrique Modèle Ex e ECEA M2	D	2008/09/17
C 7300 200	KV Atex Metrisch Model Ex e ECEA M2	D	2008/09/17
C 7300 200	C-G Atex Metric Model Ex e ECEA M2	D	2008/09/17
C 7500 008	P-E Atex PG Modèle Ex e ZA M1	F	2008/09/17
C 7500 008	KV Atex PG Model Ex e ZA M1	F	2008/09/17
C 7500 008	C-G Atex PG Model Ex e ZA M1	F	2008/09/17
C 7600 120	P-E Atex NPT Modèle Ex e CM M1	C	2008/09/17
C 7600 120	KV Atex NPT Model Ex e CM M1	C	2008/09/17
C 7600 120	C-G Atex NPT Model Ex e CM M1	C	2008/09/17
C 7600 130	P-E Atex NPT Modèle Ex e ECEA M1	C	2008/09/17
C 7600 130	KV Atex NPT Model Ex e ECEA M1	C	2008/09/17
C 7600 130	C-G Atex NPT Model Ex e ECEA M1	C	2008/09/17
C 7700 000	P-E Atex NPT Modèle Ex e ECEA M2	C	2008/09/17
C 7700 000	KV Atex NPT Model Ex e ECEA M2	C	2008/09/17



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C 7700 000	C-G Atex NPT Model Ex e ECEA M2	C	2008/09/17
C 8000 100	P-E Atex PG Modèle Ex e ZV M1	E	2008/09/17
C 8000 100	KV Atex PG Model Ex e ZV M1	E	2008/09/17
C 8000 100	C-G Atex PG Model Ex e ZV M1	E	2008/09/17
C7442XXX	Presse Etoupe CM /WADI-TEC ECEA METAL - Modèle : Ex e / tb ISO	A	2016/04/22

OBSERVATIONS:

1. The letter "X" after the Certificate number means the following special conditions for safe use:

For models CM, CM M1 e GSE the user must ensure proper locking of the cable near the cable entry.

Using ambient temperature range:

$$-20\text{ °C} \leq T_a \leq +80\text{ °C}$$

$$-40\text{ °C} \leq T_a \leq +100\text{ °C (NEOPREN)}$$

2. This Certificate is valid only for products with the same model and type as the tested prototype. Any modification in the project, as well as the use of components apart from those defined by the technical documentation, without previous authorization from Bureau Veritas Certification, will invalidate this Certificate.
3. The cable glands shall be marked on the external surface and in a visible place, the conformity mark and the technical characteristics according to the specifications from standards ABNT NBR IEC 60079-0 / ABNT NBR IEC 60079-7 / ABNT NBR IEC 60529 and the conformity assessment requirements, attached to INMETRO Ordinance n° 179, published in May 18th 2010. This marking must be readable and durable, taking into consideration possible chemical corrosion.
4. The equipment must be installed in compliance with the relevant standards in electrical installations in explosive atmospheres and the manufacturer's recommendations





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- The activities of installation, inspection, maintenance, repair, overhaul and recovery of equipment are the responsibility of users and must be implemented in accordance with the requirements of current technical standards and the manufacturer's recommendations.
- The Manufacturer shall provide manual of installation and safe use written in Portuguese.

REVISIONS HISTORY	
DATE OF ISSUE	DESCRIPTION
2011/06/13	Initial Issue
2014/06/17	Revision 1 – Recertification
2017/03/20	Revision 2 - Recertification
2017/12/20	Revision 3 - Inclusion of the certificate of conformity IECEx LCIE 16.0014X
2020/07/16	Revision 4 – Recertification and alteration of the company name of the applicant and manufacturer

