



# 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 LCIE 16.0026X Issue No: 0 Certificate history:  
Issue No. 0 (2016-08-19)

Status: **Current** Page 1 of 3

Date of Issue: **2016-08-19**

Applicant: **SIB - Schlemmer Industry & Building Parts**  
25 Rue Théophile Somborn  
57220 Boulay  
**France**

Equipment: **Cable gland**  
*Optional accessory:*

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

Marking: Ex db / eb IIC  
Ex tb IIIC

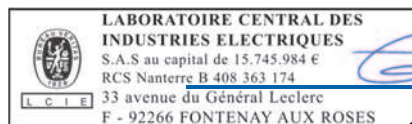
Approved for issue on behalf of the IECEx  
Certification Body:

Julien Gauthier

Position:

Certification Officer

Signature:  
(for printed version)



Date:

2016-08-19

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:

**Laboratoire Central des Industries Electriques (LCIE)**  
33 Avenue du General Leclerc  
FR-92260 Fontenay-aux-Roses  
France





# IECEx Certificate of Conformity

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Date of Issue: 2016-08-19 Page 2 of 3  
Manufacturer: **SIB - Schlemmer Industry & Building Parts**  
25 Rue Théophile Somborn  
57220 Boulay  
France

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 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	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/LCIE/ExTR16.0036/00](#)

Quality Assessment Report:

[FR/LCI/QAR10.0003/07](#)



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## Schedule

### EQUIPMENT:

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

The metallic cable glands CG d X are intended to be mount on a flame proof and increased safety enclosures. They guarantee IP64. The gaskets are made of either Neoprene or Viton. The 1F types are the cable glands for non-armoured cable and the 4F types, for armoured cable. 4F DEL types have an additional O-ring compared to 1F STD type.

See Annex for details.

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

- For the CG d 1F types the user shall ensure adequate clamping of the cables against pulling and twisting.
- The cable gland CG d 1F, size ISO M12 & NPT 1/4" shall be submitted to low mechanical impact only.
- Service temperature of sealing ring in Neoprene (black color) is -60°C to +80°C, and this is -20°C to 200°C for sealing ring in Viton (red color).

### Annex:

[LCIE 16.0026 X issue 00 - SIB - Annex.pdf](#)



# Annex 01 to Certificate IECEX LCIE 16.0026 X issue 00



## FULL EQUIPMENT DESCRIPTION

The metallic cable glands CG d X are intended to be mount on a flame proof and increased safety enclosures. They guarantee IP64. The gaskets are made of either Neoprene or Viton. The 1F types are the cable glands for non-armoured cable and the 4F types, for armoured cable. 4F DEL types have an additional O-ring compared to 1F STD type.

## MARKING

Complete marking:

SIB - Schlemmer Industry & Building Parts

Address:

Type: ; Model:

Serial number: ; Year of construction:

Ex db/eb IIC

Ex tb IIIC

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-60°C ≤ T<sub>amb</sub> ≤ +80°C (Neoprene)

-20°C ≤ T<sub>amb</sub> ≤ +200°C (Viton)

Reduced marking:

SIB

Type: ; Model:

Ex db/eb IIC

Ex tb IIIC

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## RANGE DETAILS

Designation of type: CG d X (X : 1F, 4F STD, 4F DEL)

Designation of model: N° , thread, pitch (only for ISO)

Type / Type	Modèle / Model		
	N°*	ISO	NPT
CG d 1F	4	M12 x 1.5	1/4"
		M16 x 1.5	3/8"
		/	1/2"
	5	M16 x 1.5	3/8"
		M20 x 1.5	1/2"
		M25 x 1.5	3/4"
	6	M20 x 1.5	1/2"
		M25 x 1.5	3/4"
	7	M25 x 1.5	3/4"
		M32 x 1.5	1"
	8	M32 x 1.5	1"
M40 x 1.5		1"1/4	
CG d 4F STD & CG d 4F DEL	5	M12 x 1.5	1/4"
		M16 x 1.5	3/8"
		M20 x 1.5	1/2"
	6	M16 x 1.5	3/8"
		M20 x 1.5	1/2"
	7	M25 x 1.5	3/4"
		M20 x 1.5	1/2"
	8	M25 x 1.5	3/4"
		M32 x 1.5	1"

\*These numbers correspond to the characteristics of cables specified in the instructions.

## ROUTINE TESTS

None.