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 LCI 10.0008X issue No.:2	Certificate history: Issue No. 2 (2015-5-7) Issue No. 1 (2010-10-14) Issue No. 0 (2010-5-11)
Status:	**Current**	
Date of Issue:	**2015-05-07**	Page 1 of 4

Applicant: **S.I.B (Schlemmer Industry & Building Parts)**
25 Rue Théophile Somborn
57220 BOULAY - MOSELLE France
France

Electrical Apparatus: **Cable Glands - Type : EC x - Model : SIB-TEC**
Optional accessory:

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

Marking: Ex eb IIC
Ex tb IIIC
IP6X
IECEx LCI 10.0008X
(Full marking is available in annex)

Approved for issue on behalf of the IECEx Certification Body: Julien GAUTHIER

Position: Certification Officer

Signature:
(for printed version)

Date: 2015-05-07

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:
Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France
Documents relative to LCIE certification activites (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".

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Manufacturer: **S.I.B (Schlemmer Industry & Building Parts)**
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57220 BOULAY - MOSELLE
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:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2008 Edition: 1	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/LCI/ExTR10.0011/00 FR/LCI/ExTR10.0011/01

Quality Assessment Report:

FR/LCI/QAR10.0003/06

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Schedule

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

Description of the equipment :

The cable glands type EC x model SIB-TEC in plastic are designed to ensure "e" and "tb" protection mode for round cable entry besides enclosure wall in metal or plastic. Clamping of the cable is realized by a sealing ring in neoprene. The cable gland is mounted eiher with a brass lock-nut or with a plastic lock-nut for specific cases.

Two plastic materials are used for fabrication of the cable glands according the size of the cable gland : Polyamide 6 (ref. A9380003 & A9380008) and Polyamide 66 (ref. A9380010). Three threaded types are used : ISO metric, NPT and PG. The table below describes the operating ambient temperature, the different sizes available and material used in function of cable gland size :

Sizes			SIB ADR materials used	
Métric (pitch : 1,5mm)	PG	NPT	PA 66 (ref A9380010 & A9380011*)	PA 6 (ref A93080003 & A9380008)
12	7		(1)	/
16	9	3/8"	(2)	/
16	11		(2)	/
20	13	½"	(2)	/
20	16		(2)	/
25			(2)	/
25	21	¾"	(2)	/
32	29	1"	(2)	/
40	36		(2)	(2)[a]
50	42		(2)	(2)[a]
63	48		(2)[b]	(2)[a]

(1) : -20℃ ≤ $T_{service}$ ≤ + 80℃
(2) : -35℃ ≤ $T_{service}$ ≤ + 95℃
(2)[a] : Do not use a locknut in brass; only a locknut in PA 6 25% fibreglass material.
(2)[b] : Possibility to use a PA66 lock nut.
* Blue cable glands made with plastic reference A9380011 shall be only used in intrinsically safe installation.

CONDITIONS OF CERTIFICATION: YES as shown below:

SPECIAL CONDITIONS FOR SAFE USE :
Do not use a locknut in brass. Only a locknut in PA 6 25% fiberglass material for cable glands SIB TEC M40 to M63 and SIB TEC PG36 to PG48.

The cable glands referenced A 9380003 and A 9380008 shall not be submitted to a mechanical shocks higher than 4 Joules.
Service temperature :
-20℃ ≤ Tservice ≤ +60℃ for all the range.
-20℃ ≤ Tservice ≤ + 80℃ for the cable glands SIB TEC size M12 and PG7.
-35℃ ≤ Tservice ≤ + 95℃ for the rest of the SIB TEC range.

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

Issue 00 (2010 -05-11)
Initial assessment according to IEC 60079-0 Ed4 ; IEC 60079-7 Ed4 ; IEC 61241-0 Ed1 ; IEC 61241-1 Ed 1 standards.

Issue 01 (2010 -10-14)
Correction of the three last lines in column PA66

Issue 02
Normative update according to the standards IEC 60079-0 Ed 6 ; IEC 60079-31 Ed 1
Updating of marking
Updating of company name

Annex: LCI 10.0008 X - Issue 02 - Annex01 - SIB.pdf

IECEx LCI 10.0008X issue 02
Annex n°01

Marking :

SIB
Address
Type : EC x
Serial number
Year of construction

Ex eb IIC
Ex tb IIIC
IP 6X
IECEx LCI 10.0008X