



# 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 13.0050X** issue No.: **1**  
Status: **Current**  
Date of Issue: **2015-02-25** Page 1 of 4

Certificate history:  
Issue No. 1 (2015-2-25)  
Issue No. 0 (2013-10-28)

Applicant: **RUEGER S.A**  
Chemin de Mongevon 9  
Case postale 98  
CH-1023 CRISSIER  
Switzerland

Electrical Apparatus: **Temperature probe type S XX**  
Optional accessory:

Type of Protection: **d**

Marking: See attachment 01 for details of marking  
Ex d IIC T6 Gb  
IECEx LCIE 13.0050X

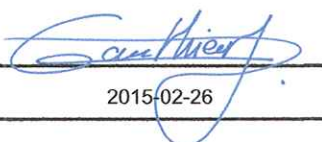
Approved for issue on behalf of the IECEx  
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:  
(for printed version)

  
2015-02-26

Date:

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

Documents relative to LCIE certification activities (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".





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Page 2 of 4

Manufacturer: **RUEGER S.A**  
Chemin de Mongevon 9  
Case postale 98  
CH-1023 CRISSIER  
Switzerland

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** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 6

*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/ExTR13.0045/00](#)

[FR/LCIE/ExTR13.0045/01](#)

##### Quality Assessment Report:

[FR/LCI/QAR11.0018/02](#)



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Certificate No.: IECEx LCIE 13.0050X

Date of Issue: 2015-02-25

Issue No.: 1

Page 3 of 4

## Schedule

### EQUIPMENT:

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

#### Description :

The equipment consists of a sensor cable jacketed, with a connection head enclosure certified Ex d IIC, terminals with or without transmitter certified Ex ia/ib IIC/IIB T6 integrated inside connection head, an extension cable with terminal block or connector shell. The insert (only with diameter 6 mm) can be mounted in a thermowell that will be fixed to the head of connector.

Connection head enclosure are made of aluminium alloy or stainless steel and certified. Temperature classification in this report is considered only for connection head enclosure.

Type : S XX

S XX (XX = 10, 50, 70)

#### Electrical parameters :

See attachment N°1 for details

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

Temperature classification concerns only head connection with range of ambient temperature -55°C to +60°C (according to the type of certified head used). It is the responsibility of the manufacturer or end user to ensure that the external source of heating or cooling (if available) does not impact the temperature classification of the equipment



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Certificate No.: IECEx LCIE 13.0050X

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Issue No.: 1

Page 4 of 4

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

### Issue 1 :

Add various type of certified connection head.

Add insert with a diameter of 6mm, 6.35mm and 8mm.

Modification of the operating ambient temperature (-55°C to +60°C) for the connection head.

Removing the version d[ia/ib].



# IECEX LCIE 13.0050 X issue 01 Attachment n°01

**Marking :**

RUEGER S. A  
Address : .....  
Type : S XX (completed by the model)  
Serial number : .....  
Year of construction : .....  
Ex d IIC T6 Gb  
IECEX LCIE 13.0050 X  
WARNING – DO NOT OPEN WHEN ENERGIZED

**Certified connection head can be used :**

Connecting head	Certification
FPL : TTE2xx,TTE3xx,TTE6xx,TTE7xx	IECEX CES 14.0006U
MAM : GUB...	IECEX INE 11.0018X
LIMATHERM : XD-A**	IECEX FTZU 14.0003U

**Temperature classification and operating ambient temperature :**

Connecting head	Certification	Operating ambient temperature
FPL : TTE2xx,TTE3xx,TTE6xx,TTE7xx	IECEX CES 14.0006U	-55°C to +60°C
MAM : GUB...	IECEX INE 11.0018X	-55°C to +60°C
LIMATHERM : XD-A**	IECEX FTZU 14.0003U	-50°C to +60°C