



# 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 INE 18.0031X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-10-15\)](#)

Status: **Current**

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Date of Issue: **2018-10-15**

Applicant: **Régulateurs GEORGIN**  
14-16 Rue Pierre Séward  
F - 92320 CHATILLON  
**France**

Equipment: **Pressure switch and temperature switch with stainless steel housing type .FX..**

*Optional accessory:*

Type of Protection: **I**

Marking:  
Ex ia IIC, IIB or IIA\* T6..T3 Ga  
Ex ia IIIC, IIIB or IIIA\* T6..T3°C Da

*Approved for issue on behalf of the IECEx  
Certification Body:*

Thierry HOUEIX

*Position:*

Ex Certification Officer

*Signature:  
(for printed version)*

*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](#).

Certificate issued by:

**INERIS**  
Institut National de l'Environnement Industriel  
et des Risques, BP n2  
Parc Technologique ALATA  
France



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Manufacturer: **Régulateurs GEORGIN**  
14-16 Rue Pierre Séward  
F-92320 CHATILLON  
**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 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 60079-11 : 2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

*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/INE/ExTR18.0038/00](#)

Quality Assessment Report:

[FR/LCI/QAR09.0004/09](#)



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## Schedule

### EQUIPMENT:

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

The apparatus, protected by intrinsic safety, is a pressure and temperature detector provided with micro-switches with or without additional resistors following versions.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature range is comprised between -40°C to +60°C.

The temperature class depends on maximum process temperature as shown in Annex in the Parameters relating to safety

### Annex:

[IECEx INE 18.0031X-00\\_Annex.pdf](#)



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Annex: IECEx INE 18.0031X-00\_Annex.pdf

## PARAMETERS RELATING TO THE SAFETY

Maximum input characteristics to the connecting terminals for model with micro-switch

Group	Ui (V)	Ii (mA)	Ci (nF)	Li (μH)
IIC / IIIC	30	100	Negligible	Negligible
IIB / IIIB		250		
IIA / IIIA		340		

Pressure switch and temperature switch with stainless steel housing type .FX..\* and article code AF.... or GFX7....\* in case of specific requirements of customer (whose equipment with line monitoring).

Maximum input characteristics to the connecting terminals for micro-switch and line monitoring

Group	Ui (V)	Ii (mA)	Pi (W)	Ci (nF)	Li (μH)
IIC / IIIC	30	100	0.75	Negligible	Negligible
IIB / IIIB		250	1.0		
IIA / IIIA		340			

\* The type and the article code are completed by numbers and letters corresponding to the manufacturing variations

## Maximal temperature class depending on maximal process temperature

- For micro-switch model, the temperature class is defined in table below:

Max Process Temperature	80°C	95°C	130°C	150°C
Temperature Class (Gas)	T6	T5	T4	T3
Surface Temperature (Dust)	T85°C	T100°C	T135°C	T200°C

- For micro-switch and resistors model, the temperature class is defined as follows:

Max Process Temperature	130°C
Temperature Class (Gas)	T4
Surface Temperature (Dust)	T135°C



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## **MARKING**

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

- REGULATEURS GEORGIN
- F- 92320 CHATILLON
- .FX...
- IECEx INE 18.0031X
- (Serial number)
- Ex ia IIC, IIB or IIA T6..T3 Ga
- Ex ia IIIC, IIIB or IIIA T85°C..T200°C Da

## **ROUTINE EXAMINATIONS AND TESTS**

None