



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx DEK 23.0061X**

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[Certificate history](#):

Status: **Current**

Issue No: 0

Date of Issue: 2025-02-03

Applicant: **REGULATEURS GEORGIN**  
14-16 rue Pierre Semard  
92320 CHATILLON  
France

Equipment: **Pressure Transmitter, ProcessX Type FK\* series**

Optional accessory:

Type of Protection: **Ex ia**

Marking: Ex ia IIC T4 Ga (Ta : -40 °C to +60 °C)  
Ex ia IIC T5 Ga (Ta : -40 °C to +50 °C)  
Ex ia IIIC T<sub>200</sub> 135 °C Da (Ta: -40 °C to +60 °C)  
Ex ia IIIC T<sub>200</sub> 100 °C Da (Ta: -40 °C to +50 °C)

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-02-03

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051  
6825 MJ Arnhem  
Netherlands



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Date of issue: 2025-02-03

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Manufacturer: **REGULATEURS GEORGIN**  
14-16 rue Pierre Semard  
92320 CHATILLON  
**France**

Manufacturing locations: **REGULATEURS GEORGIN**  
14-16 rue Pierre Semard  
92320 CHATILLON  
**France**

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with 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:

[NL/DEK/ExTR23.0062/00](#)

Quality Assessment Report:

[FR/LCI/QAR09.0004/16](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Pressure Transmitter, ProcessX Type FK\* series is used to measure process pressure and convert the pressure into a 4-20 mA output signal, which may include digital communication signals.

There are several sensor types, and there are two types of detection circuits depend on the sensor type.

An LCD display unit or a local configurator unit, and an arrester unit can be mounted as options.

There are two types of enclosure. One type is named "T-type", in which the terminal cover and the amplifier cover are on the same horizontal axis. The other type is named "L-type", in which the orientation of the terminal cover and the amplifier cover differ by 90 degrees.

The enclosures have two cable entries. That one entry is plugged by a stopping plug. NPT 1/2 or M20 plugs are included in the scope of this assessment.

The enclosures provide a degree of protection of IP5X in accordance with IEC 60079-0 and IEC 60529.

Ambient temperature:

-40 °C to +60 °C for T4 and T<sub>200</sub> 135 °C

-40 °C to +50 °C for T5 and T<sub>200</sub> 100 °C

Electrical data

In type of protection intrinsic safety Ex ia IIC or IIIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

U<sub>i</sub> = 28 V; I<sub>i</sub> = 110 mA; P<sub>i</sub> = 0.77 W

C<sub>i</sub> = 26.0 nF (with Arrester Board), or 14.9 nF (without Arrester Board)

L<sub>i</sub> = 0.181 mH

Type designation

See Annex 1.

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

- Installations for models incorporating the Arrester Board shall consider that these models do not assure electrical insulation of minimum 500 Vac between the input circuitry and enclosure.

- In case of EPL Ga application, sufficient actions shall be taken to avoid, even in case of rare fault, an ignition hazard due to impact or friction.

- In case of painted aluminium alloy enclosure and covers, the apparatus shall be installed avoiding the risk of electrostatic discharge and propagating brush discharge caused by rapid flow of dust.

## Annex:

<228086600-Annex 1 to ExTR23.0062.00.pdf>