



# 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 NEM 09.0007X**

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Certificate history:

Status: **Current**

Issue No: 2

Issue 1 (2011-11-09)

Issue 0 (2009-05-12)

Date of Issue: 2012-03-30

Applicant: **Palmstierna International AB**  
Korta Gatan 9  
17154 Solna  
Sweden

Equipment: **I/P Converter**

Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: Ex ia IIC T6/T5/T4 Gb

Approved for issue on behalf of the IECEx  
Certification Body:

**Asle Kaastad**

Position:

**Certification Manager, Ex-products**

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



Certificate issued by:

**NEMKO**  
Gaustadalleen 30  
Oslo N-0314  
Norway





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Manufacturer: **Palmstierna International AB**  
Korta Gatan 9  
17154 Solna  
Sweden

Additional  
manufacturing  
locations:

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 60079-0:2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:5

**IEC 60079-11:2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:5

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 Reports:

[NO/NEM/ExTR09.0005/00](#)

[NO/NEM/ExTR09.0005/01](#)

[NO/NEM/ExTR09.0005/02](#)

Quality Assessment Report:

[NO/NEM/QAR08.0008/00](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The I/P Signal Converter converts electrical signals into pneumatic standard signals, e.g. 4-20mA into 0,2-1 bar.

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

Different temperature class according to safety parameters.

**The I/P converter has to be installed in an enclosure that satisfies the following clauses:**

- Complies with “electrostatic charge” requirements in IEC 60079-0, clause 7.4
- A suitable degree of protection minimum IP20 according to 6.1 in EN 60079-11
- Shall not contain, by mass, more than 7,5% in total of magnesium and titanium according to clause 8.1 in IEC 60079-0
- According to descriptive document: IP-653.
- Shall withstand dielectric strength test with 500V AC for 1 minute according 6.3.12 in EN 60079-11



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

Issue 1: Update of the IEC 60079-0 standard and new alternative casting compound added.

Issue 2: Updated marking and special conditions