



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 NEM 09.0007X** issue No.:2

Status: **Current**

Date of Issue: **2012-03-30** Page 1 of 4

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

Electrical Apparatus: **VP 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:

Certificate history:

Issue No. 2 (2012-3-30)

Issue No. 1 (2011-11-9)

Issue No. 0 (2009-5-12)

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:

NEMKO
Gaustadalleen 30
Oslo N-0314
Norway





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

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 : 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 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:

[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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Schedule

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.

CONDITIONS OF CERTIFICATION: 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