



# 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 KEM 10.0068X	Issue No: 7	<u>Certificate history:</u>
Status:	<b>Current</b>	Page 1 of 5	Issue No. 7 (2016-12-23)
Date of Issue:	<b>2016-12-23</b>		Issue No. 6 (2014-07-18)
Applicant:	<b>PR electronics A/S</b>		Issue No. 5 (2013-09-27)
	Lerbakken 10		Issue No. 4 (2013-03-29)
	8410 Rønne		Issue No. 3 (2012-07-05)
	<b>Denmark</b>		Issue No. 2 (2011-06-30)
Equipment:	<b>Isolators and Converters of system 3000</b>		Issue No. 1 (2011-05-31)
<i>Optional accessory:</i>			Issue No. 0 (2010-12-21)
Type of Protection:	<b>Ex nA</b>		
Marking:	Ex nA IIC T4 Gc		

Approved for issue on behalf of the IECEx  
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2016-12-23

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:

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





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Manufacturer: **PR electronics A/S**  
Lerbakken 10  
8410 Rønne  
**Denmark**

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 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

*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:

[NL/KEM/ExTR10.0077/00](#)

[NL/KEM/ExTR10.0077/01](#)

[NL/KEM/ExTR10.0077/02](#)

[NL/KEM/ExTR10.0077/03](#)

[NL/KEM/ExTR10.0077/04](#)

[NL/KEM/ExTR10.0077/05](#)

[NL/KEM/ExTR10.0077/06](#)

[NL/KEM/ExTR10.0077/07](#)

#### Quality Assessment Report:

[NL/DEK/QAR13.0017/02](#)



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## Schedule

### EQUIPMENT:

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

#### Description

Isolators and Converters of system 3000 Type 3 ... for conversion and galvanic isolation of analogue signals.

The type code, the ambient temperature range and the temperature class of the modules shall be taken from **table 1**.

#### Electrical data

The electrical data of the supply and the input and output circuits shall be taken from **table 1**.

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

The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

The equipment shall be installed in a suitable enclosure that provides a degree of protection of at least IP54 in accordance with IEC 60079-15.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.



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**EQUIPMENT (continued):**

**Table 1**



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

Addition of modules Type Modules 3186B1 and 3186B2 to the range of 3000 Type 3 ... system.