



# 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 DEK 13.0026X Issue No: 2 Certificate history:  
Status: **Current** Issue No. 2 (2018-09-28)  
Date of Issue: **2018-09-28** Page 1 of 4 Issue No. 1 (2014-02-11)  
Applicant: **PRelectronics A/S** Issue No. 0 (2013-05-28)  
Lerbakken 10  
8410 Rønede  
Denmark  
Equipment: **Modbus Communication Enabler Type 4511 and Bluetooth Communication Enabler Type  
4512**  
Optional accessory:  
Type of Protection: **Ex nA**  
Marking: Ex nA IIC T5 Gc

Approved for issue on behalf of the IECEx  
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2018-09-28

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: **PRelectronics 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 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/DEK/ExTR13.0025/01](#)

[NL/DEK/ExTR13.0025/02](#)

Quality Assessment Report:

[NL/DEK/QAR13.0017/03](#)



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## Schedule

### EQUIPMENT:

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

Modbus Communication Enabler Type 4511 is a detachable front programming display adding Modbus serial communication to all available PR system 4000/9000 units.

The type code, the ambient temperature range and the temperature class of the module 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.

**Table 1**

Description	Type No.	Temp. Class	Ambient Range	Supply Power	Supply Voltage
Modbus Communication Enabler	4511	T5	-20... +60°C	Max. 150 mWatt	10 ... 20 V
Bluetooth Communication Enabler	4512	T5	-20... +60°C	Max. 150 mWatt	7 ... 20 V

### SPECIFIC CONDITIONS OF USE: 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 providing a degree of protection of at least IP54 according to IEC 60079-15, taking into account the environmental conditions under which the equipment is used.

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



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

Addition of Bluetooth Communication Enabler Type 4512.