



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 DEK 13.0044X issue No.:0 Certificate history:

Status: Current

Date of Issue: 2013-09-30 Page 1 of 3

Applicant: **PRElectronics**
Lerbakken 10
8410 Rønne
Denmark

Electrical Apparatus: **Backplane Type 7000 Series**
Optional accessory:


Type of Protection: **Ex nA**

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)


2013-09-30

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 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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Page 2 of 3

Manufacturer: **PRelectronics**
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/DEK/ExTR13.0043/00](#)

Quality Assessment Report:

[NL/DEK/QAR13.0017/00](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Backplane Type 7000 Series for PR system 9000 modules. The type code, the ambient temperature range and the temperature class of the module shall be taken from the table below.

Electrical data

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

Description	Type No.	Temp.Class	Ambient Range	Supply Power	Supply Volt.
Backplane	7908-xxxx	T4	-20 ... +60°C	Max. 30 W	20 ... 31.2 Vdc
Backplane	7916-xxxx	T4	-20 ... +60°C	Max. 60 W	20 ... 31.2 Vdc
Backplane	7932-xxxx	T4	-20 ... +60°C	Max. 120 W	20 ... 31.2 Vdc

CONDITIONS OF CERTIFICATION: YES as shown below:

The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to IEC 60529, taking into account the environmental conditions under which the equipment will be used.

When the temperature under rated conditions exceeds 70 °C at the cable or conduit entry point, or 80 °C at the branching point of the conductors, the temperature specification of the selected cable shall be in compliance with the actual measured temperature values.

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