



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

Certificate No.: **IECEX DEK 13.0044X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2013-09-30\)](#)
Date of Issue: 2024-07-10
Applicant: **PRelectronics**
Lerbakken 10
8410 Rønne
Denmark
Equipment: **Backplane Type 7000 Series**
Optional accessory:
Type of Protection: **Ex ec nC**
Marking: Ex ec nC IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

R.Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-07-10

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 or use of this QR Code.



Certificate issued by:

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





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Manufacturer: **PRElectronics**
Lerbakken 10
8410 Rønde
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Manufacturing
locations: **PRElectronics**
Lerbakken 10
8410 Rønde
Denmark

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Report:

[NL/DEK/ExTR13.0043/01](#)

Quality Assessment Report:

[NL/DEK/QAR13.0017/06](#)



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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 1, see Annex 1.

Electrical data

The electrical data of the supply and the input and output circuits shall be taken from the Tabel 1, See Annex 1.

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 that provides a degree of protection not less than IP54 in accordance with IEC 60079-0.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Assessment according to the newer standard editions IEC 60079-0 :2017 (Ed.7), IEC 60079-7 :2015 (Ed.5.1) and IEC 60079-15 : 2017 (Ed. 5).

Annex:

[228799000-Annex 1.pdf](#)

**Annex 1 to NL/DEK/ExTR13.0043/01 and
IECEX DEK 13.0044X**

Table 1

Description	Type No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Backplane	7908-xxxx	T4	-20 °C to +60 °C	max. 30 W	20 ... 31.2 Vdc
Backplane	7916-xxxx	T4	-20 °C to +60 °C	max. 60 W	20 ... 31.2 Vdc