

# CERTIFICATE

## (1) Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **DEKRA 13ATEX0136 X** Issue Number: **1**

(4) Equipment: **Backplane Type 7000 Series**

(5) Manufacturer: **PRelectronics A/S**

(6) Address: **Lerbakken 10, 8410 Rønde, Denmark**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. 216423500.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2012**

**EN 60079-15 : 2010**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

(12) The marking of the equipment shall include the following:



**II 3 G Ex nA IIC T4 Gc**

This certificate is issued on 27 September 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

R. Schuller  
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 13ATEX0136 X**

Issue No. 1

(15) **Description**

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 **table 1**.

**Electrical data**

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

**Installation instructions**

The manual provided with the equipment shall be followed in detail to assure proper and safe operation.

(16) **Test Report**

No. 216423500.

(17) **Special conditions for safe use**

1. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60529, taking into account the environmental conditions under which the equipment will be used.
2. 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.
3. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 21423500.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 13ATEX0136 X**

**Issue No. 1**

**Table 1**

| <b>Description</b> | <b>Type No.</b> | <b>Temp. Class</b> | <b>Ambient Range</b> | <b>Supply Power/Current</b> | <b>Supply Volt.</b> |
|--------------------|-----------------|--------------------|----------------------|-----------------------------|---------------------|
| 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     |