

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

(3) Type Examination Certificate Number: **KEMA 07ATEX0152 X** Issue Number: **1**

(4) Equipment: **Power Control Unit Type 9410**

(5) Manufacturer: **PR electronics 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) KEMA Quality 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. 211081400.

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

EN 60079-0 : 2006

EN 60079-15 : 2005

(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 nC IIC T4

This certificate is issued on August 14, 2008 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.

KEMA Quality B.V.

C.G. van Es
Certification Manager



(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 07ATEX0152 X**

Issue No. 1

(15) **Description**

Power Control Unit Type 9410 is used to distribute supply voltage to Power Rail Type 9400 on which it is mounted.

The Control Unit is connected to an external power supply and optionally to a backup power supply.

The Control Unit detects errors from the modules mounted on the rail and provides a collective status alarm via a potential free contact.

Ambient temperature range: $-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$.

Electrical data

Power Supply (terminals 31, 32): $U = 21,6 \dots 26,6\text{ Vdc}$.

Backup Power Supply (terminals 33, 34): $U = 21,6 \dots 26,6\text{ Vdc}$.

Power Rail (rear contacts): $U = 21,6 \dots 26,6\text{ Vdc}$ (with transient suppression to 40 V)

Relay contacts (terminals 11, 12, 13): $U \leq 30\text{ Vdc}$ or 32 Vac , $I \leq 2\text{ A}$

If the Control Unit is installed outside the hazardous area, the following data for the relay contacts apply:

$U \leq 30\text{ Vdc}$ or 250 Vac , $I \leq 2\text{ A}$

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

KEMA No. 211081400.

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

If the Control Unit is installed in an explosive atmosphere where the use of apparatus of equipment category 3 G is required, it shall be installed in an enclosure, in conformity with type of protection Ex n or Ex e, providing a degree of protection of at least IP54.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 211081400.