



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 KEM 08.0025X issue No.:1

Certificate history:
Issue No. 1 (2008-11-4)
Issue No. 0 (2008-8-15)

Status: **Current**

Date of Issue: **2008-11-04** Page 1 of 4

Applicant: **PR electronics A/S**
Lerbakken 10
8410 Rønde
Denmark

Electrical Apparatus: **Power Control Unit Type 9410**
Optional accessory: **Power Rail Type 9400**

Type of Protection: **Ex nA nC**

Marking: **Ex nA nC IIC T4**
IECEX KEM 08.0025 X
Installation Drawing: 9410QI01

Approved for issue on behalf of the IECEx
Certification Body:

C.G. van Es

Position:

Certification Manager

Signature:
(for printed version)

Date:

2008-11-04

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:

KEMA Quality B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands





IECEX Certificate of Conformity

Certificate No.: IECEx KEM 08.0025X

Date of Issue: 2008-11-04

Issue No.: 1

Page 2 of 4

Manufacturer: **PR electronics A/S**
Lerbakken 10
8410 Rønde
Denmark

Manufacturing location(s):

PR electronics
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 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-15 : 2005-03 Edition: Ed 3	Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus

*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/KEM/ExTR08.0021/00
NL/KEM/ExTR08.0021/01

Quality Assessment Report:

NL/KEM/QAR07.0004/00



IECEx Certificate of Conformity

Certificate No.: IECEx KEM 08.0025X

Date of Issue: 2008-11-04

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 back-up 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 °C to +60 °C.

Electrical data

Power Supply (terminals 31, 32): U = 21.6 ... 26.6 Vdc.

Backup Power Supply (terminals 33, 34): U = 21.6 ... 26.6 Vdc.

Power Rail (rear contacts): U = 21.6 ... 26.6 Vdc (with transient suppression to 40 V).

Relay contacts (terminals 11, 12, 13): U_{max} = 30 Vdc or 32 Vac, I_{max} = 2 A.

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

U_{max} = 30Vdc or 250 Vac, I_{max} = 2 A

CONDITIONS OF CERTIFICATION: YES as shown below:

If the Control Unit is installed in zone 2, 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.



IECEX Certificate of Conformity

Certificate No.: IECEx KEM 08.0025X

Date of Issue: 2008-11-04

Issue No.: 1

Page 4 of 4

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

solving discrepancies in revision and issue date of the manufacturer's documentation.