



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 10.0084 issue No.:0 Certificate history:

Status: Current

Date of Issue: 2010-10-04 Page 1 of 3

Applicant: PR electronics A/S
Lerbakken 10
8410 Rønne
Denmark

Electrical Apparatus: 2-Wire Transmitter with HART Protocol, Type 6335D and Type 6336D
Optional accessory:

Type of Protection: Ex ia

Marking: Ex ia IIC T5 Ga

Approved for issue on behalf of the IECEx Certification Body: C.G. van Es

Position: Certification Manager

Signature:
(for printed version)

Date: 2010-10-04

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

KEMA Quality
a DEKRA company



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

Manufacturing location(s):

PR electronics A/S
Lerbakken 10
8410 Rønede
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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-11 : 1999 Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
Edition: 4

IEC 60079-26 : 2006 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
Edition: 2

*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/ExTR10.0075/00](#)

Quality Assessment Report:

[NL/KEM/QAR07.0004/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The 2-Wire Transmitters Type 6335D with HART 5 protocol and Type 6336D with HART 6 protocol, for rail mounting, with one or two independent channels, are used to convert the measurement signal of a temperature sensor or a mV signal into a 4 ... 20 mA current signal with digital communication.

For further information, refer to the Attachment.

CONDITIONS OF CERTIFICATION: NO

Attachment 1 to IECEx KEM 10.0084, Issue 00

Description

The 2-Wire Transmitters Type 6335D with HART 5 protocol and Type 6336D with HART 6 protocol, for rail mounting, with one or two independent channels are used to convert the measurement signal of a temperature sensor or a mV signal into a 4 ... 20 mA current signal with digital communication.

Ambient temperature range -40 °C to +60 °C

Electrical data

Supply and output circuits (terminals 11 ... 14, respectively 21 ... 24):

In type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$; $I_i = 120 \text{ mA}$; $P_i = 0.84 \text{ W}$; $C_i = 1 \text{ nF}$; $L_i = 10 \text{ }\mu\text{H}$.

Sensor circuits (terminals 41 ... 44, respectively 51 ... 54):

In type of protection intrinsic safety Ex ia IIC, with following maximum values:

$U_o = 9.6 \text{ V}$; $I_o = 28 \text{ mA}$; $P_o = 67 \text{ mW}$; $C_o = 3.5 \text{ }\mu\text{F}$; $L_o = 35 \text{ mH}$.