# 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 TUR 14.0033X | issue No.:0 | Certificate history: |
| Status: | Current | | |
| Date of Issue: | 2014-12-17 | Page 1 of 3 | |

Applicant:
**HIMA Paul Hildebrandt GmbH**
Albert-Bassermann-Str. 28
68782 Brühl
Deutschland
**Germany**

Electrical Apparatus: **Planar 4 System Modules**
*Optional accessory:*

Type of Protection: **Ex nA nC IIC Gc**

Marking:
Ex nA IIC T4 Gc
Ex nA nC IIC T4 Gc

*Approved for issue on behalf of the IECEx Certification Body:* Dipl.-Ing. Klauspeter Graffi

*Position:* Head of Certification Body

*Signature:*
*(for printed version)*

*Date:* 2014-12-17

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.

Certificate issued by:

**TUV Rheinland Industrie Service GmbH**
**Am Grauen Stein**
**51105 Cologne**
**Germany**

TÜVRheinland

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Certificate No.: IECEx TUR 14.0033X

Date of Issue: **2014-12-17** Issue No.: **0**



Manufacturer: **HIMA Paul Hildebrandt GmbH**
Albert-Bassermann-Str. 28
68782 Brühl
Deutschland
**Germany**

Additional Manufacturing location (s):

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 : 2011**<br>Edition: 6.0 | Explosive atmospheres - Part 0: General requirements |
| **IEC 60079-15 : 2010**<br>Edition: 4 | Explosive atmospheres - Part 15: Equipment protection by type of protection "n" |

*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:
DE/TUR/ExTR14.0029/00

Quality Assessment Report:

DE/PTB/QAR11.0008/01

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**Schedule**

**EQUIPMENT:**
*Equipment and systems covered by this certificate are as follows:*

Planar 4 System
For details see attachment

**CONDITIONS OF CERTIFICATION: YES as shown below:**

1.The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
2.The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-15.
3.The information of the Planar Ex manual concerning the selection criteria for the enclosure (cabinet) and the special installation instructions have to be considered.
4.The pins of the contact loop (EC) for the fault signal (available on each module) shall solely be supplied with the 24V supply voltage of the system.
5.The switching current of the relay module 32110 has to be limited to max 2A if the slot at the right side of the module is not used. Otherwise it has to be limited to 1A.
The switching current of the relay modules 3210x has to be limited to max 3A if the slot at the right side of the module is not used. Otherwise it has to be limited to 2A.

**Annex:** DE-IECEx_TUR_14 0033X_00_Attachment.pdf