



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 BVS 10.0088X

Issue No: 1

Certificate history:

Issue No. 1 (2019-02-21)

Issue No. 0 (2010-11-24)

Status: **Current**

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Date of Issue: **2019-02-21**

Applicant: **Rechner Industrie-Elektronik GmbH**
Gaußstraße 8 – 10
68623 Lampertheim
Germany

Equipment: **Isolating Switching Amplifier type N-132/*-*****
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i", Construction, test and Marking of Type of Protection "n" electrical apparatus, Equipment with equipment protection level (EPL) Ga, Protection by intrinsic safety 'ID'**

Marking:

Code

Type

[Ex ia Ga] IIC
[Ex ia Da] IIIC

N-132/1-01,
N-132/2-01,
N-132/1-10,
N-132/2-10,
N-132/1(2)-01

Ex nA nC [ia Ga] IIC T4 Gc
[Ex ia Da] IIIC

N-132/2-E-10,
N-132/1-E-10

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

21.2.19

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:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **Rechner Industrie-Elektronik GmbH**
Gaußstraße 8 – 10,
68623 Lampertheim
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 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2010 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/BVS/ExTR10.0117/01](#)

Quality Assessment Report:

[DE/BVS/QAR07.0008/09](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The Isolating Switching Amplifier type N-132 / * -***, which will be installed outside the hazardous area or in an enclosure which is in accordance with IEC 60079-15 (types N-132/2-E-10 and N-132/1-E-10), is used for converting the intrinsically safe input signals into non-intrinsically safe output signals.

The intrinsically safe circuits are galvanically separated from each other, as from the non-intrinsically safe signal circuits and from the power supply circuit.

Listing of all components used referring to older standards
None

Type designation

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

For installation of the Isolating Switching Amplifier in areas, where EPL Gc equipment is required, the apparatus has to be mounted inside an enclosure which is in accordance with IEC 60079-15.



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

- Assessment of Isolating Switching Amplifier in accordance with the newer standard versions
- Modified marking

Annex:

[BVS_10_0088x_Rechner_Annex_issue1.pdf](#)