IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSA 21.0011X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2022-03-18

Applicant: **RECHNER Industrie-Elektronik GmbH**
Gaußstrasse 8-10
68623 Lampertheim
Germany

Equipment: **Capacitive sensors KFI series**

Optional accessory:

Type of Protection: **Intrinsically Safe**

Marking: Ex ia IIC T6…T1 Ga

Ex ia IIIC T135 °C Da

Approved for issue on behalf of the IECEx Certification Body: **Dave Magee**

Position: **Senior Director of Operations, Toronto**

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.

Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W IR3
Canada

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Manufacturer: **RECHNER Industrie-Elektronik GmbH**
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68623 Lampertheim
Germany

Manufacturing locations: **RECHNER Industrie-Elektronik GmbH**
Gaußstrasse 8-10
68623 Lampertheim
Germany

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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:

CA/CSA/ExTR21.0011/00

Quality Assessment Report:

DE/BVS/QAR07.0008/12

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Capacitive sensors KFI series for use in explosive atmospheres caused by the presence of combustible gases or dusts using the concept of intrinsic safety “ia”. The equipment is used for detecting the level of material inside a tank or vessel by means of the principle of capacitive level measurement.

Refer to the Annexe for the Process temperature and temperature class and Electrical Data

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The assessment applies to the certified code and ambient temperature range given in General product information and atmospheric conditions in the range 80 to 110 kPa, air with normal oxygen content, typically 21 % v/v.
2. The suitability of the device located in the process area is not covered by this report.
3. The equipment, if placed in a hazardous area, shall be installed and maintained in order that electrostatic discharge caused by; for example rubbing on non-metallic parts, external radiation and high voltage fields are excluded, refer to Instructions manuals.
4. The electrical data is not marked on the marking plate, refer to the Installation instruction.
5. For the relation between temperature class, maximum process temperature and maximum ambient temperature, refer to the Installation Instruction.

Annex:

IECEx CSA 21.011X Annexe Issue 0.pdf