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
Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx KIWA 18.0009U**

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Certificate history:
Issue 1 (2020-08-28)
Issue 0 (2018-07-12)

Status: **Current**

Issue No: 2

Date of Issue: 2025-09-22

Applicant: **StandexMeder Electronics GmbH**
Friedrich-List-Straße 15
Engen-Welschingen 78234
Germany

Ex Component: Optocoupler models 522-03-i….., 522-03-i-BV715, 522-80-i….., 522-80-i-BV390, 525-03-0-i….., 535-04-0-i….., 567-70-1-i….., 567-70-1-i-BV586

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Intrinsic Safety "ia"**

Marking: [Ex ia Ga] IIC

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 Blvd
Toronto Ontario M9W 1R3
Canada

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Certificate No.: **IECEx KIWA 18.0009U**

Date of issue: 2025-09-22 Issue No: 2

Manufacturer: **StandexMeder Electronics GmbH**
Friedrich-List-Straße 15
Engen-Welschingen 78234
Germany

Manufacturing locations: **StandexMeder Electronics GmbH**
Friedrich-List-Straße 15
Engen-Welschingen 78234
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 component 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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

NL/KIWA/ExTR18.0010/00 NL/KIWA/ExTR18.0010/01 NL/KIWA/ExTR18.0010/02

Quality Assessment Report:

NL/DEK/QAR13.0045/07

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Ex Component(s) covered by this certificate is described below:

Optocoupler models 522-03-i….., 522-03-i-BV715, 522-80-i….., 522-80-i-BV390, 525-03-0-i….., 535-04-0-i….., 567-70-1-i….., 567-70-1-i-BV586 serve for galvanic isolation between intrinsically safe and non-intrinsically safe circuits within associated apparatus.

Either the emitter or the detector is in type of protection intrinsic safety.

Service temperature range:
Model 567-70-1-i….., 567-70-1-i-BV586: -20 °C to +85 °C.
Models 522-03-i….., 522-80-i….., 522-80-i-BV390, 525-03-0-i….., 535-04-0-i…..: -40 °C to +85 °C.
Model 522-03-i-BV715 : -60 °C to +85 °C.

Electrical data

The maximum values of rated current and voltage of the emitter and the detector shall be taken from the instructions of the manufacturer.

Maximum power dissipation emitter is 400 mW.
Maximum power dissipation detector is 600 mW.

The emitter and the detector are infallibly galvanically separated up to peak voltage of 375 V.

SCHEDULE OF LIMITATIONS:

The optocouplers must be mounted such that the connection pins are protected by a degree of protection of at least IP20.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
This issue, **Issue 1**, introduced the following change:

1. Additional of optocoupler models 522-80-i….., 522-80-i-BV390 and 567-70-1-i-BV586.

This issue, **Issue 2**, introduced the following change:

1. To update the company address:

From	To
Robert-Bosch-Straße 4 78224 Singen Germany	Friedrich-List-Straße 15 78234 Engen-Welschingen Germany