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
Ex COMPONENT CERTIFICATE

Certificate No.:	IECEx KIWA 18.0009U	Issue No: 0	Certificate history:
			Issue No. 0 (2018-07-12)
Status:	Current	Page 1 of 3	
Date of Issue:	2018-07-12		

Applicant: **StandexMeder Electronics GmbH**
Robert-Bosch-Straße 4
78224 Singen
Germany

Ex Component: Optocoupler 522-03-i, 522-03-i-BV715, 525-03-0-i, 535-04-0-i, 567-70-1-i

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: **[Ex ia Ga] IIC**

Marking:
[Ex ia Ga] IIC

Approved for issue on behalf of the IECEx
Certification Body:

Pieter van Breugel

Position:

Certification Officer

Signature:
(for printed version)

Date:

12 JULY 2018

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:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
The Netherlands

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Certificate No:	**IECEx KIWA 18.0009U**	Issue No: 0
Date of Issue:	**2018-07-12**	
Manufacturer:	**StandexMeder Electronics GmbH** Robert-Bosch-Straße 4 78224 Singen **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 Component 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 Ex 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/KIWA/ExTR18.0010/00

Quality Assessment Report:

NL/DEK/QAR13.0045/02

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Schedule

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

Optocoupler models 522-03-i, 522-03-i-BV715, 525-03-0-i, 535-04-0-i, 567-70-1-i 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: -20 °C to +85 °C.
Models 522-03-i, 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.