



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 FTZU 20.0023X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-12-22

Applicant: **DEGA CZ s.r.o.**
Malešická 2850/22c
Prague 3 130 00
Czech Republic

Equipment: **Gas detector type NSx-yL***

Optional accessory:

Type of Protection: **flameproof enclosure "d"**

Marking: Ex db IIB+H2 T6 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of the Certification Body

Signature:
(for printed version)

Date:

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:

**Fyzikálne technický zkusební ústav
(Physical -Technical Testing Institute)
Pikartská 7, 71607 Ostrava - Radvanice
Czech Republic**





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Page 2 of 3

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Manufacturer: **DEGA CZ s.r.o.**
Malešická 2850/22c
Prague 3 130 00
Czech Republic

Additional
manufacturing
locations:

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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:

[CZ/FTZU/ExTR20.0023/00](#)

Quality Assessment Report:

[CZ/FTZU/QAR20.0005/00](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The gas detector type NSx-yL* consists of cover and enclosure bottom made by aluminium alloy. Enclosure is equipped with electronic circuits. Stainless steel sensing head with sinter is screw in to the enclosure. Enclosure and head are protected by type of protection "d" - flameproof enclosure. The enclosure is alternatively equipped with a sight glass. An enclosure is equipped with two M20 x 1.5 threaded holes for installation of appropriate certified Ex equipment cable glands.

For type key refer to Annex to this CoC.

Technical specification:

Nominal voltage: 8 to 30 VDC

Outputs:

Current loop 4-20 mA

RS485

Relay maximal load 250 V / 3A only for equipment type NSx-yL III (PID) LCD RE

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.
3. Fasteners with a minimum property class A4-80 must be used for the closing of flameproof enclosure cover.

Annex:

[Annex_to_IECEX_FTZU_20_0023_00.pdf](#)



Type key:

