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 18.0032X

Issue No: 0

Certificate history:
Issue No. 0 (2018-05-25)

Status: **Current**

Date of Issue: **2018-05-25**

Applicant: **OBO Bettermann Produktion Deutschland GmbH & Co. KG**
Hüingser Ring 52
58710 Menden
Germany

Equipment: **Isolating spark gap type Ex ISG H *** ****
Optional accessory:

Type of Protection: **Equipment protection by flameproof enclosures "d"**

Marking:
Ex db IIC T6 Gb

Approved for issue on behalf of the IECEx Certification Body: Jörg Koch

Position: Head of Certification Body

Signature:
(for printed version)

Date: 25.5.18

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:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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Manufacturer: **OBO Bettermann Produktion Deutschland GmbH & Co. KG**
Hüingser Ring 52
58710 Menden
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 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

*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/ExTR18.0034/00

Quality Assessment Report:

DE/BVS/QAR10.0010/04

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and Type

See Annex

Description

The isolating spark gap is intended to provide galvanic isolation between electrical installations. The galvanic isolation prevents not only electrochemical corrosion but provides also a connection capable of carrying lightning current. The spark gap provides lightning equipotential bonding.
The electrode compartment of the spark gap is designed in type of protection flameproof enclosure.

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

The isolation spark gap shall be protected against mechanical impact by the installation.

Annex:

BVS_18_0032_OBO_Bettermann_Annex.pdf

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Certificate No.: **IECEx BVS 18.0032**
Annex

Subject and Type

Isolating spark gap type Ex ISG H *** **

Asterisk 1)	Asterisk 2)	Description
-	-	- Standard type
350	-	- Pre-assembled connection cable on one side - Length of connection cable 350 mm
350	2L	- Pre-assembled connection cable on both sides - Length of connection cables 350 mm
-	KU	- Pre-assembled connection cable on both sides - Suitable for use in the soil

Parameters

Lightning current (10/350) (I_{imp})	100	kA
Lightning current carrying capacity	H	
Rated response voltage (U_{rimp})	≤ 1.25	kV
Rated whithstand voltage (U_{WAC} / U_{WDC})	255 355	V / AC V / DC

Ambient temperature range (T_{amb})	-20 up to +60	°C
IP-protection	IP 67	