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 KEM 09.0051X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 5	Issue 4 (2015-09-10) Issue 3 (2013-12-21) Issue 2 (2011-11-08) Issue 1 (2009-11-18) Issue 0 (2009-09-18)
Date of Issue:	2022-12-09		
Applicant:	**DEHN SE** Hans-Dehn-Strasse 1 Neumarkt 92318 **Germany**		
Equipment:	**Isolating Spark Gap, Type EXFS 100, Type EXFS 100 KU and Type EXFS 100 KU SN....**		
Optional accessory:			
Type of Protection:	**Ex d, Ex t**		
Marking:	Ex db IIC T6 Gb Ex tb IIIC T80 °C Db		

Approved for issue on behalf of the IECEx Certification Body:	**L.G. van Schie**
Position:	**Certification Manager**
Signature: (for printed version)	
Date: (for printed version)	2022-12-09~

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.
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Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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Certificate No.: **IECEx KEM 09.0051X**

Date of issue: 2022-12-09

Issue No: 5

Manufacturer: **DEHN SE**
Hans-Dehn-Strasse 1
Neumarkt 92318
Germany

Manufacturing locations:

DEHN SE
Hans-Dehn-Strasse 1
Neumarkt 92318
Germany

DEHN SE
AM Ludwigskanal 1
Müllhausen 92360
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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

NL/KEM/ExTR09.0052/05

Quality Assessment Report:

NL/DEK/QAR12.0084/06

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

Isolating Spark Gap, Type EXFS 100, Type EXFS 100 KU and Type EXFS 100 KU SN.... provides galvanic isolation between parts of electrical installations. In case of an increasing potential difference e.g. caused by a lightning strike, the isolation will be abolished by ignition of the spark gap and the building of a low-resistance connection.

Electrical data:

Rated power frequency withstand voltage (50 Hz)	U = 250 Vac
Impulse spark over voltage (1.2/50 µs)	U ≤ 1250 V
Lightning impulse current (10/350 µs)	I = 100 kA

Note: The electrical data is not in the scope of IECEx certification.

The enclosure provides a degree of protection of IP66/67 in accordance with IEC 60079-0 and IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:
Ambient temperature range:
for type EXFS 100: -20 °C to +60 °C,
for types EXFS 100 KU and EXFS 100 KU SN....: -40 °C to +60 °C.

Electrostatic charging shall be avoided.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
- Assessment per IEC 60079-0 Ed. 7
- Change of manufacturer's name
- Additional manufacturing location added