



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 DEK 11.0063X	Issue No: 2	Certificate history: Issue No. 2 (2015-08-23) Issue No. 1 (2013-12-21) Issue No. 0 (2011-10-12)
Status:	Current	Page 1 of 4	
Date of Issue:	2015-08-23		
Applicant:	DEHN + SÖHNE GmbH + Co. KG. Hans-Dehn-Strasse 1 D-92318 Neumarkt / Opf., Germany		
Electrical Apparatus: Optional accessory:	Isolating Spark Gap series ExFS		
Type of Protection:	Ex nC		
Marking:	Ex nC IIC T4 Gc		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:


2015-08-23

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 Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: DEHN + SÖHNE GmbH + Co. KG.
Hans-Dehn-Strasse 1
D-92318 Neumarkt / Opf.,
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 electrical 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

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:

NL/DEK/ExTR11.0066/00

NL/DEK/ExTR11.0066/01

NL/DEK/ExTR11.0066/02

Quality Assessment Report:

NL/DEK/QAR12.0084/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Isolating Spark Gap Types EXFS L 100 (923 060), EXFS L 200 (923 061), EXFS L 300 (923 062), EXFS L ... (special lengths), EXFS KU (923 019) and EXFS KU SN.... (special lengths) are used for indirect connection / earthing of functionally isolated conductive system parts in potentially explosive gas atmospheres.

Electrical data

Rated Power frequency withstand voltage (50 Hz): $U = 300 \text{ V}$;
impulse sparkover voltage (1.2/50 μs): $U \leq 2.5 \text{ kV}$;
Lightning impulse current (10/350 μs): $I = 50 \text{ kA}$.

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range -20°C to $+60^\circ\text{C}$.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

update to the IEC60079-0: 2011, ed.6.