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 DEK 11.0025X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 3	Issue 2 (2017-06-05) Issue 1 (2013-06-14) Issue 0 (2011-03-21)
Date of Issue:	2023-01-12		
Applicant:	**DEHN SE** Hans-Dehn-Strasse 1 Neumarkt 92318 **Germany**		
Equipment:	**Surge suppression device Type DEHNpipe DPI MD EX 24 ...**		
Optional accessory:			
Type of Protection:	**Ex i**		
Marking:	Ex ia [ia Ga] IIC T6…T4 Gb		

Approved for issue on behalf of the IECEx Certification Body: **R. Schuller**

Position: **Certification Manager**

Signature: (for printed version)

Date: (for printed version) 2023-01-12

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:

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

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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
Mühlhausen 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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

NL/DEK/ExTR11.0020/03

Quality Assessment Report:

NL/DEK/QAR12.0084/06

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

The surge suppression device type DEHNpipe DPI MD EX 24 ... serves to limit occasional surge voltages in intrinsically safe circuits.

Ambient temperature range:
-40 °C to +80 °C for temperature class T4,
-40 °C to +70 °C for temperature class T5,
-40 °C to +55 °C for temperature class T6.

Electrical data
Input circuit (Terminals X1.1, X1.2 and cable W1 (red), W2 (black)):
in type of protection intrinsic safety Ex ia IIC, for connection to a certified intrinsically safe circuit, with the following maximum values: U_i = 30 V; I_i = 500 mA; C_i = 0 nF; L_i = 0 µH;

or

in type of protection intrinsic safety Ex ia IIC, for connection to a certified intrinsically safe circuit or a circuit in accordance with FISCO, with the following maximum values: U_i = 17.5 V; I_i = 380 mA; P_i = 5.32 W; C_i = 0 nF; L_i = 0 µH.

SPECIFIC CONDITIONS OF USE: YES as shown below:
Ambient temperature range:
-40 °C to +80 °C for temperature class T4,
-40 °C to +70 °C for temperature class T5,
-40 °C to +55 °C for temperature class T6.

The dielectric strength of at least 500 V of the intrinsically safe circuits of the surge suppression device type DEHNpipe DPI MD EX 24 ... is limited only by the overvoltage protection.

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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