CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 11ATEX0076 X** Issue Number: **4**

(4) Product: **Surge suppression device Type DEHNpipe DPI MD EX 24 ...**

(5) Manufacturer: **DEHN SE**

(6) Address: **Hans-Dehn-Straße 1, D-92318 Neumarkt, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR11.0020/03.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018 **EN 60079-11 : 2012**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

II 2(1) G **Ex ia [ia Ga] IIC T6…T4 Gb**

Date of certification: 12 January 2023

DEKRA Certification B.V.

R. Schuller
Certification Manager

PRODUCTS RvA C 001

© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra-product-safety.com Registered Arnhem 09085396

(13) # SCHEDULE

(14) **to EU-Type Examination Certificate DEKRA 11ATEX0076 X** Issue No. **4**

(15) **Description**

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.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR11.0020/03.

(17) **Specific conditions of use**

For ambient temperature range, see (15).

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.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0020/03.

(20) **Certificate history**

Issue 1	-	212720700	Initial certificate
Issue 2	-	214319400	Assesment in accordance with newer edition of the standards
Issue 3	-	221672300	Model code changed to DEHNpipe DPI MD EX 24 … and EN 60079-26 : 2007 removed
Issue 4	-	225276300-08	Assesment in accordance with standard EN IEC 60079-0 : 2018, change of manufacturer's name